ORDER NO.ACED9912547
C4

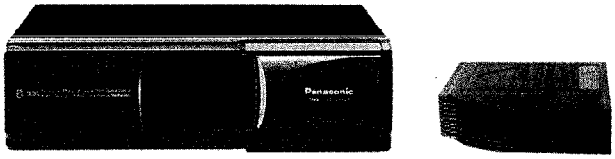
Service Manual

AUTOMOTIVE CONSUMER ELECTORONICS

COMPACT disc DIGITAL AUDIO

CX-DP88U
CX-DP88N

8 DISC CD CHANGER



Please file and use this supplement manual together with the service manual for models. CX-DP801EUC, order No.ACED9707485, CX-DP8901EN order No.ACED9708147.

NOTES:

*** Mentioned in this service manual are the difference from models No.CX-DP801EUC or CX-DP801EN for the parts changes.**

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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1 Replacement Parts 2

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1 Replacement Parts

Note:

1. Besure to make your orders of replacement parts according to this list.
2. Important safty notice: Components, idetified by ⚠ Mark have special characteristics important for safty. When replacing any of these components, use only maunufacture's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "A" or "B" marks in remarks column are as follows.
   A: CX-DP88U
   B: CX-DP88N

1.1. Accessories

PRINTING

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	CX-DP801EUC/EN	CX-DP88U/N		
	YEFM282765	YEFM283517	Operating Instructions	A
	YEFM282766	YEFM283516	Operating Instructions	B

Installation Parts

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	CX-DP801EUC/EN	CX-DP88U/N		
	YEAJ071212	YEAJ071373	Power Cord	
	YEAJ071211			

1.2. Mechanical Parts

MISCELLANEOUS

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	CX-DP801EUC/EN	CX-DP88U/N		
	YEFC025482A	YEFC026737	Escutcheon Ass'y	

U-270
Printed in Japan (K)
1999.12

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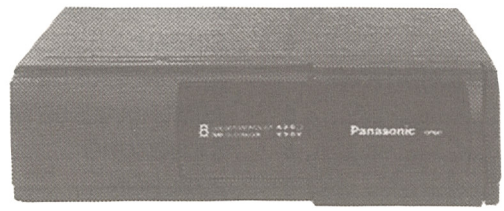
Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

COMPACT disc DIGITAL AUDIO

CX-DP801EN/DP803EN

8-Disc CD Changer
8-Disc CD-Wechsler



FEATURES

- Miniature 8-disc CD Autochanger.
- With ACC OFF, Eject Function.
- The CD changer can be mounted at any of the following 5 angles: 0° 22.5° 45° 67.5° 90°

MERKMALE

- Kompakter CD-Wechsler für 8 CDs
- Mit ACC OFF-und EJECT-Funktionen
- Der Abtaster kann in fünf verschiedenen Winkeln installiert werden: 0° 22.5° 45° 67.5° und 90°

⚠WARNING

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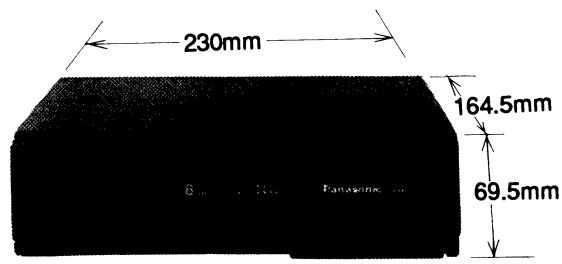
DIMENSIONS / ABMESSUNGEN



Specifications*

General

Power Supply	: 12V DC (11V-16V) Test Voltage 14.4V, Negative Ground
Current consumption	: Less than 1.0A (play mode)
Output Voltage	: 2V rms (1 kHz, 0 dB)
Output Impedance	: 600 ohms
Disc Magazine Unit	: CA-MP801D (included) holds 8 (12cm) discs

CD Changer Unit

Channel	: 2 channels
Frequency Response	: 5 - 20,000Hz (at±1 dB)
Signal to Noise Ratio	: 96 dB
Total Harmonic Distortion	: 0.006% (at 1 kHz)
Wow and Flutter	: Below measurable limit
Sampling Frequency	: 8 times oversampling
Correct System	: Panasonic Super Decoding Algorithm
DA Converter	: MASH•1 bit
Pick-Up Type	: Astigma 1-beam
Light Source	: Semiconductor laser
Wavelength	: 780nm

Dimensions**

CD Changer Unit (W×H×D)	: 230×69.5×164.5mm
Disc Magazine Unit (W×H×D)	: 124×35×129mm

Weight**

CD Changer Unit	: 1.5kg
Disc Magazine Unit	: 0.17kg

* Specifications and the design are subject to possible modification without notice due to improvements.
** Dimensions and weight shown are approximate.

Technische Daten*

Allgemeines

Stromversorgung	: 12V (11V-16V) Gleichspannung, Testpannung 14,4V, negative Erdung
Leistungsaufnahme	: Weniger als 1,0A (Wiedergabe-Betriebsart)
Ausgangsspannung	: 2V effekt. (1kHz, 0 dB)
Ausgangsimpedanz	: 600Ω
CD-Magazin	: CA-MP801D (mitgeliefert) Kann 8 Stück 12 cm-Discs aufnehmen.

CD-Wechsler

Kanal	: 2 Kanäle
Frequenzgang	: 5 - 20.000 Hz (bei ±1 dB)
Signal / Rauschabstand	: 96 dB
Gesamtklirrfaktor	: 0,006% (bei ±1 dB)
Gleichlaufschwankungen	: Nicht meßbar
Abtastfrequenz	: 8-fach Oversampling
Korrektursystem	: Panasonic Super Decording Algorithm
DA-Konverter	: MASH.1 Bit
Abtastertyp	: Astigma 1-Strahl
Lichtquelle	: Halbleiter-Laser
Wellenlänge	: 780nm

Abmessungen**

CD-Wechsler (B×H×T)	: 230×69.5×164.5mm
CD-Magazin (B×H×T)	: 124×35×129mm

Gewicht**

CD-Wechsler	: 1,5kg
CD-Magazin	: 0,17kg

* Bei Konstruktion und technischen Daten Änderungen vorbenhalten.
** Admessungen und Gewicht in angenäherten Werten angegeben.

FUSE

Be sure to use a fuse of the specified rating (3.15A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a hazard or damage to the unit.

SICHERUNG

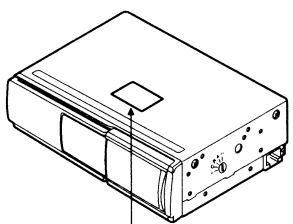
Als Ersatz für eine durchgebrannte Sicherung unbedingt eine Sicherung mit dem vorgeschriebenen Nennwert (3,15A) verwenden. Durch den Gebrauch von Sicherungen mit höheren Nennwerten, von Sicherungsersatzteilen oder durch den Anschluß ohne Gebrauch einer Sicherung kann ein Brand oder Geräteschaden verursacht werden.

Laser Products

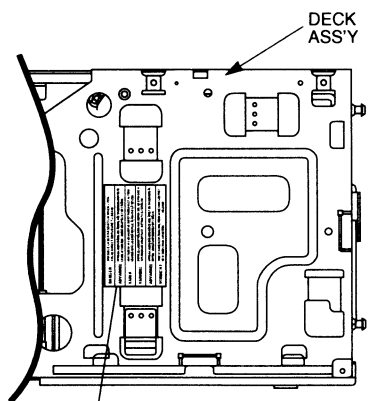
Caution: **This product utilizes a laser.** **Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**	**Laser products:** Wave Length 780 nm Laser Power No hazardous radiation is emitted with safety protection.

Do not take apart this unit or attempt to make any changes yourself.
This unit is a very intricate device that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet.
Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

Label Indications and Their Locations



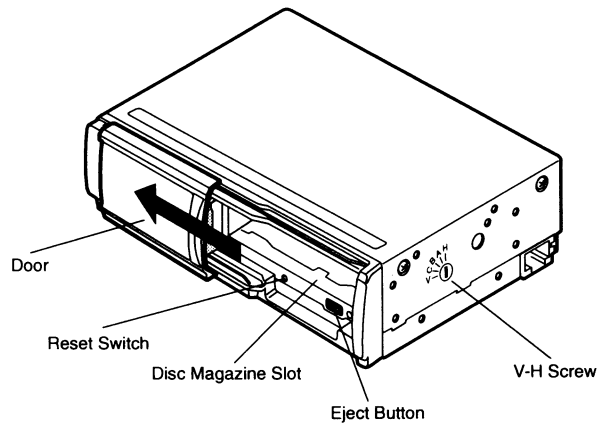
(Located on the top cover.)



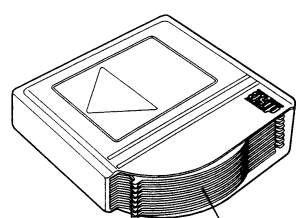
DANGER	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
ADVARSEL	USYNLIG LASERSTRÅING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅING.
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖTÄ LASERSÄTEILYLLE. ÄLÄKATSO SÄTEESEEN.
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.
ADVARSEL	USYNLIG LASERSTRÅLNING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	UNSICHTBARELASERSTRAHLUNG, WENN ABDECKUNK GEOFFNET. NICHT DEM STRAHL AUSSETZEN. RQLS0120

Location of Controls

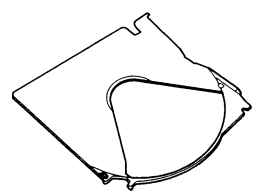
❑ CD Changer Unit



❑ Disc Magazine



❑ Tray



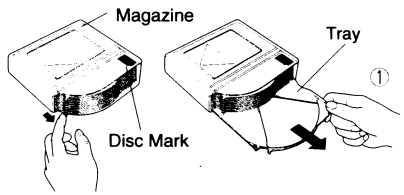
Note: Do not use a 3" (8 cm) compact disc.

Preparations

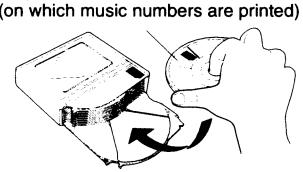
How to load and remove CD Discs

❑ To load a CD Disc

① Place the CD magazine with the disc mark facing upward, and pull out trays one after another from the magazine to the stopper position.
② Place a CD disc on the tray.
③ Push the tray straightforward into the magazine until it clicks in position.



Magazine with the labeled side
(on which music numbers are printed)



Note:
Be careful not to insert more than one disc on a single tray to protect the unit from any unexpected troubles.

❑ To remove a CD Disc

Pull out trays from the magazine to the stopper position, and take a CD disc from each of them by hand.
Be careful not to allow the disc to drop to the ground while taking it out.

Note:
Carefully handle the magazine since discs may be disengaged and come out, if the magazine is placed with its disc-inserting port facing downward.

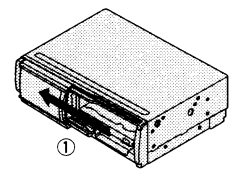
Notes:
- Be sure to use the magazine supplied with the unit as an accessory, or the optional magazine CA-MP801D. Any other magazines can not be used.
- Never use protect film or stabilizer,commercially available as a CD accessory, for the unit because it may cause trouble.

How to Use the CD Changer Unit and Disc Magazine

To operate the unit, refer to the operating instructions for your system.

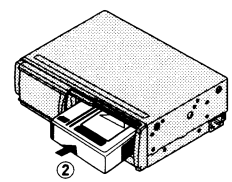
❑ To Load a CD Magazine

① Slide the door to the left until it is fully open with a click.



② Check the unit for its top and magazine inserting direction, and carefully push the magazine into it until you hear a click.

③ Close the slide door fully until you hear a click.



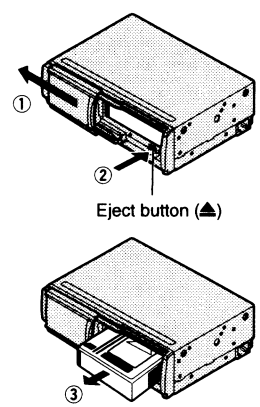
Caution:
Be sure to keep the CD unit door closed to prevent dirt and dust from getting into the unit and causing possible malfunctions.

❑ To Remove a CD Magazine

① Open the slide door.

② Press the eject button (⏏).
The magazine will eject automatically.

③ Pull the magazine straight in the arrow direction until it comes off the unit.

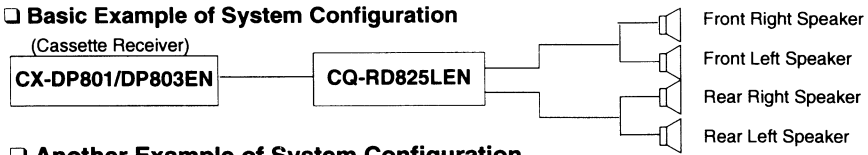


For a description of the functions, refer to the operating instructions for the tuner deck amplifier.

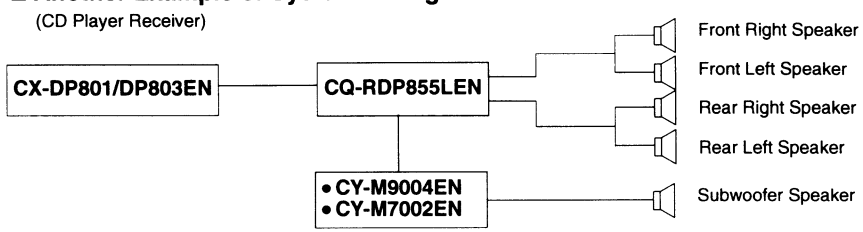
System Diagram

Various types of speakers are available from your dealer. Select the speakers that suit your CD Changer Unit.

❑ Basic Example of System Configuration



❑ Another Example of System Configuration



Notes :
- In addition to the above system diagrams, please consult your dealer.
- This unit cannot be connected to Model CY-RM60EN.

Troubleshooting

❑ Helpful Hints

- The CD changer operates in a temperature range from –10°C (14°F) to 55°C (131°F).
- Improper installation or driving on rough roads may cause the CD changer to skip while playing. This will not damage the disc or the unit.

❑ When Something Doesn't Work

Check the charts on the next page for possible causes and solutions to any problem you might be experiencing. Some simple checks or minor adjustments may eliminate the problem.

❑ Error Display Messages

Display	Description
FULL	Displays if more than 35 numbers are memorized. This only applies when the CD Changer control Receiver/Cassette Player has a memory function.
E1	Displays when the compact disc is dirty or when it is inverted. Next compact disc is automatically selected.
E2	Displays when the compact disc has a scratch on it. Next compact disc is automatically selected.
E3	Displays when the unit stops operating for some reason. Press the eject button of the changer unit.
0000	Displays when there is no disc in the disc magazine.

- **Numbers before E1, E2 are error disc numbers.**
- **Display messages differ among tuner deck amplifiers with a CD changer controller.**

❑ Troubleshooting Guide

PROBLEM	POSSIBLE CAUSE	PROBABLE SOLUTION
No sound is heard when inserting a CD magazine containing a compact disc.	The compact disc is not correctly located.	Place it in the magazine with the labeled side (on which music numbers are printed) facing upward.
	The CD changer is subjected to dewing.	Leave it intact for a while until resuming the operation.
	Cords are not correctly connected.	Check the power cord of the tuner deck amplifier, speaker cords, and other cords for correct connection.
	The CD magazine is not correctly inserted.	Refer to "Preparations" for details.
	The power switch on the tuner deck amplifier is not turned ON.	Turn on the power switch on the tuner deck amplifier.
Music sounds skip due to vibration.	The CD changer is not correctly mounted.	Securely fix the main body with a location almost free from vibration.
	The mounting screws are tightened in the wrong directions.	Set the mark "V" or "H" of the mounting screws to the correct mounting direction.
Sounds skip occasionally.	The compact disc may be defective.	Try other discs. If other discs are correctly reproduced, the first disc is to blame.
	The compact disc is dirty.	Clean the compact disc. Refer to the section of "Note on Compact Discs."
The CD magazine is not ejected.	The CD magazine is defective.	Contact the shop from which you purchased it or your nearest MSC Serviceneter.
No sound is reproduced, even if the CD Play button is pressed of the tuner deck amplifier.	The CD magazine is not correctly inserted.	Attempt to insert the CD magazine correctly.

Electrical Connection

- This system is be used only in a 12-volt. DC Battery system (car) with negative ground.
- Follow the wiring connection diagram. Failure to do so may result in damage to the unit.
- First, connect the extension cord ● to the CD changer and then, connect the RCA pin connectors and the extension cord 8p DIN connector to the tuner deck amplifier. Finally, connect the battery cord to a constant power supply.
- Please carefully read the operating and installation instructions of the respective equipment before connecting it to this unit.

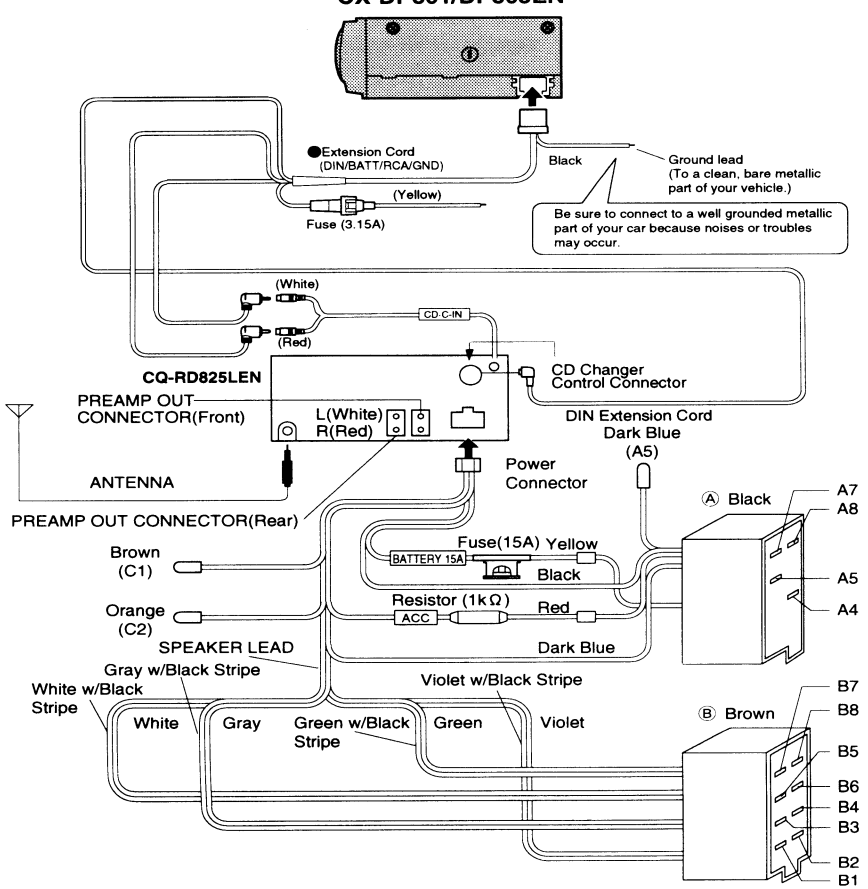
For ordering, please consult your authorized Panasonic Service Center.

In combination with CD Changer Control Receiver/Cassette Player (CQ-RD825LEN)

Wiring Accessory

	Description	Q'ty
●	Extension Cord (DIN/BATT/RCA/GND)	1

CX-DP801/DP803EN



Loudspeakers (connector B)

	Left +	Left –	Right +	Right –
Front	B5 (White)	B6 (White w/Black Stripe)	B3 (Gray)	B4 (Gray w/Black Stripe)
Rear	B7 (Green)	B8 (Green w/Black Stripe)	B1 (Violet)	B2 (Violet w/Black Stripe)

A4

BATTERY LEAD (To Battery of Car) (Yellow)
Connect to the "BAT" terminal on the fuse block of the car. The power should be supplied continuously to the yellow leads regardless of the on/off position of the ignition key.

A5

MOTOR ANTENNA RELAY CONTROL LEAD (Dark Blue)
(To Motor Antenna) (Max. 500mA)
This lead is not intended for use with switch actuated power antenna.
AMP-RELAY CONTROL POWER LEAD
This lead is for connection to Panasonic power amplifier.

A7

POWER LEAD (Red)
Connect to the "radio" power line of the car or to the "IGN" or "ACC" terminal of the fuse block.

A8

GROUND LEAD (Black)
Connect to a well grounded metallic part of your car.

C1

Horn Alert CONTROL LEAD (Brown)
(To Horn Alert UNIT) (CA-HAL1EN)

C2

TELEPHONE MUTE LEAD (Orange)
(To car telephone mute line)
TELEPHONE MUTE
The telephone mute lead, if connected to the car telephone mute line, will activate the muting circuit and the sound from the speakers cannot be heard while the telephone conversation is in progress.
Note: This telephone mute lead is for connection only to the radio mute line. Be sure to ascertain this because it will not work with other type of output system.

Installation

❑ Precautions

If possible, this equipment should be professionally installed. In case of difficulty, please consult with your nearest professional installer.

1. This unit operates only in a 12-volt DC negative ground system.
2. Before performing installation and wiring, remove the negative (–) terminal of the battery. (See Note Below.)

Note:
Do not disconnect the negative battery terminal in vehicles with trip or navigational computers.
All electronic memory settings previously registered will be lost. Take extra care to avoid short circuiting when installing the unit.

3. Follow the wiring connections diagram carefully to avoid causing damage to the unit.
4. Insulate all exposed wires to prevent short circuiting.
5. Secure all loose wires after installing the unit.
6. **First, connect the extension cord ● (supplied) to the CD changer and then, connect the RCA pin connectors and the extension cord 8p DIN connector to the tuner deck amplifier. Finally, connect the battery cord to a constant power supply.**
7. Please carefully read the operating and installation instructions of any equipment connected to this unit.
8. If the unit doesn't work after pressing other buttons, press the reset switch. If pressing the reset switch doesn't restore normal operation, please consult your authorized Panasonic Service Center.

❑ Installation Hardware

	Description	Q'ty
●	Hex. Bolt with Double Washers (M4 x 8)	4
●	Base Bracket	2
●	Hex. Nut (M5)	4
●	Mounting Bracket (L)	1
●	Mounting Bracket (R)	1
●	Double-Faced Adhesive Tape	2

Installation Continued

❑ Installation Location

Do not install this unit on the rear tray of a car where the internal temperature can rise to high levels. Failure to comply with these instructions may cause problems. Also avoid installing the unit in the following locations.

- In areas hit by direct sunlight, hot air from the heater, or any other high-temperature location.
- In an area where you cannot firmly secure the unit, or in high-vibration areas.
- In areas with high humidity or high dirt and dust levels.

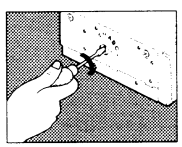
How to install this unit

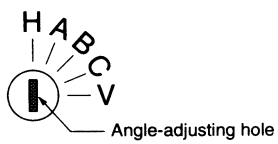
Use a screwdriver to set the angle-adjusting hole to the position "V" or "H," depending on the mounting angle selected. (When shipped from the factory, the angle-adjusting hole is set to the "H" position as default.)

- When setting vertically: Set to the "V" position.
- When setting horizontally: Set to the "H" position.

Caution
- Set the angle-adjusting hole to the same angle as selected.
- Set the holes correctly of the left and right sides without fail.

This unit can be set in the five directions: horizontal, vertical, and the positions A (22.5°), B (45°), and C (67. 5°). Mount the unit by referring to the figures below.



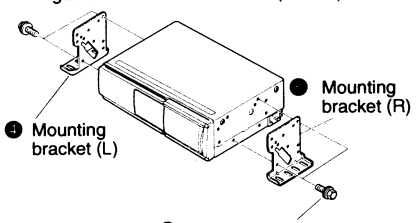


How to install the unit and select the mounting angle

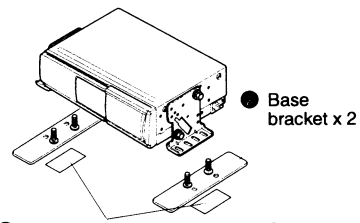
	Installation	Angle	Selecting a mounting angle
Horizontal:	Typical horizontal installation (Normal) (Up-side down)	Limit to less than 10 degrees. Limit to less than 10 degrees.	Set the hole to the same positions for both left and right.
Vertical:	Typical vertical installation (Normal) (Up-side down)	Do not tilt in this direction. Limit to less than 10 degrees. Limit to less than 10 degrees.	Set the hole to the same positions for both left and right.

Typical horizontal installation

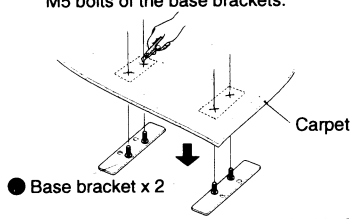
1 Mount a mounting bracket (L) or (R) on either side of the main unit with a hex. bolt together with double washers (M4 x 8).



2 Select a location where the unit should be mounted. Fix the base brackets with a double-faced adhesive tape.

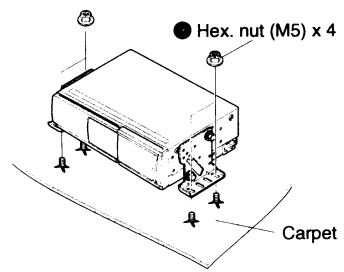


3 Use a cutter to cut a small cross in the carpet in accordance with the locations of the M5 bolts of the base brackets.



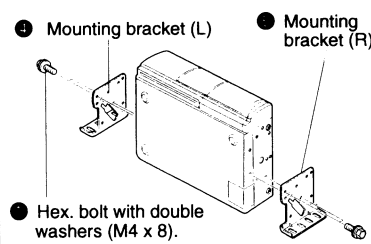
Fix both the base brackets and the double-faced adhesive tape to a mounting surface below the carpet.

4 Mount the unit on the carpet with four hex. nuts (M5).

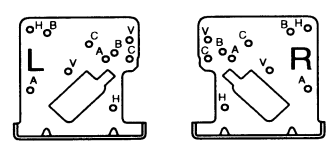


Typical vertical installation

Mount the unit with the mounting bracket on either side with a hex. bolt with double washers (M4 x 8).



Relationship between mounting holes and angles



Mounting bracket (L) **Mounting bracket (R)**

The relationship between mounting holes and angles of the mounting brackets (L and R) is illustrated above. Symbols corresponding to the mounting angles are marked near the respective holes. Select the correct holes in accordance with the mounting angles to be used.

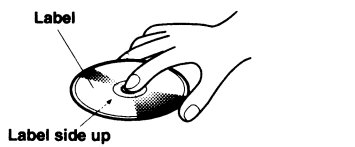
Special Notes

❑ Notes on Compact Discs

USE ONLY DISCS CARRYING THIS LABEL

COMPACT disc DIGITAL AUDIO

- Dirt, dust, scratches and bending of discs will cause misoperation. Handle discs with care.
- Do not place stickers or scratch the disc.
- Do not bend discs.
- Discs should always be kept in their cases when not in use to prevent damage.
- Do not place discs in the following places:
  1. In direct sunlight;
  2. In dirty, dusty and damp areas;
  3. Near the vehicle heater;
  4. On the seats or dashboard.

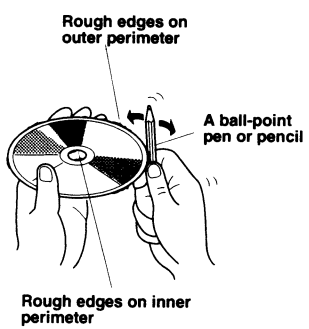


Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is dirty use a soft cloth slightly dampened in iso-propyl (rubbing) alcohol. Never use solvents such as benzine, thinner, conventional record cleaner, or mopper as they may mar the surface of the disc.

❑ Caution for use of a new Disc

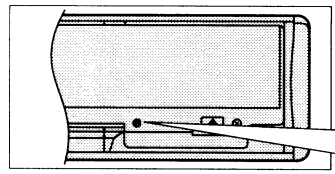
A new disc may have rough edges on its inner and outer perimeter. If a disc with rough edges is used, proper setting will not be possible and the CD player will not play the disc. Therefore, remove the rough edges in advance by using a ball-point pen or pencil as shown on right. To remove the rough edges, press the side of the pen or pencil against the inner and outer perimeter of the disc.



Exterior Cleaning

To clean the exterior of this unit, use a soft cloth to wipe the surface. Do not use benzine, thinner, or any other type of solvents.

In case of abnormal operating conditions happen!!



If you hear an abnormal noise or if the disc operating buttons do not function normally, press the Reset Switch using a pointed object, such as a pencil point.

Reset Switch

Fuse

Be sure to use a fuse of the specified rating (3.15A) when replacing a blown fuse. Fuses with higher capacity ratings, use of any substitute, or connection without a fuse may result in a hazard or damage to the unit. If the replacement fuse fails, consult your nearest authorized Panasonic Service Center.

Accessories

- 1 disc magazine.
- Operating and installation instructions.
- Wiring Accessory (1 set)
- Installation hardwares (1 set)
- Additional magazines are available from your local dealer (CA-MP801D).

Laser Erzeugnisse

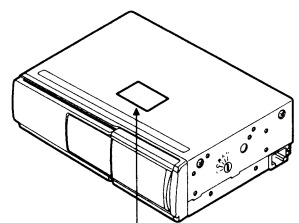
Vorsicht:
Dieses Gerät arbeitet mit Laserstrahlen. Benutzung der Bedienungselemente anders als in der Bedienungsanleitung beschrieben oder Veränderungen der Betriebsweise können zu gefährlicher Strahlenaussetzung führen.

Laser-Erzeugnisse:

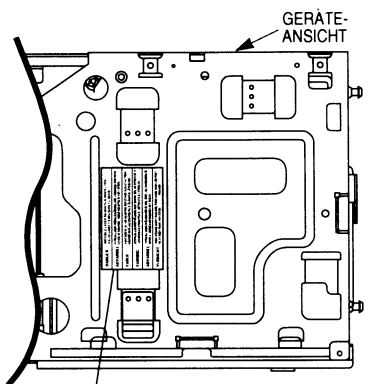
Wellenlänge	780 nm
Laser Energie	Mit Sicherheitsschutz entweicht keine gefährliche Strahlung.

Öffnen Sie dieses Gerät nicht, und versuchen Sie unter keinen Umständen, am Gerät herumzubasteln.
Dieses Gerät ist ein sehr kompliziertes Instrument, welches einen Laserstrahl benutzt,um die auf der Oberfläche der CDs gespeicherten Informationen das abzulesen. Der Laserstrahl ist sorgfältig abgeschirmt, so daß die Strahlung innerhalb des Gerätes verbleibt.
Aus diesem Grunde öffnen Sie das Gerät auf keinen Fall, und versuchen Sie unter keinen Umständen Geräteteile zu verändern. Sie können sich unter Umständen gefährlicher Strahlung und Stromspannung aussetzen.

Warnetiketten und deren Anbringungsort



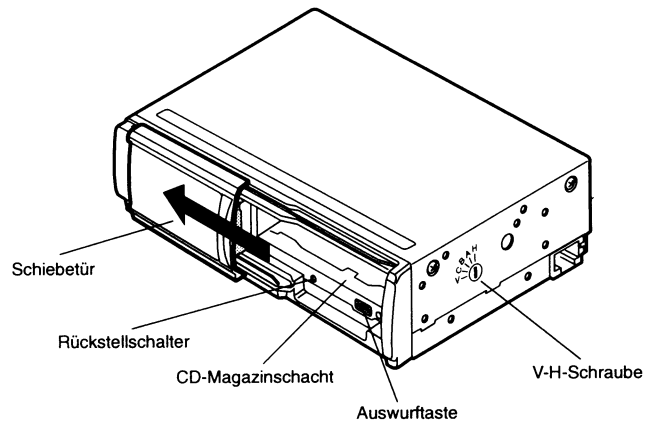
(Befindet sich an der oberen Abdeckung)



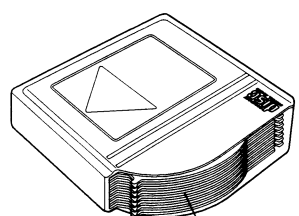
DANGER	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
ADVARSEL	USYNLIG LASERSTRÅING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅING.
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖTÄ LASERSÄTEILYLLE. ÄLÄKATSO SÄTEESEEN.
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.
ADVARSEL	USYNLIG LASERSTRÅLNING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	UNSICHTBARELASERSTRAHLUNG, WENN ABDECKUNK GEOFFNET. NICHT DEM STRAHL AUSSETZEN. RQLS0120

Lage der Bedienungselemente

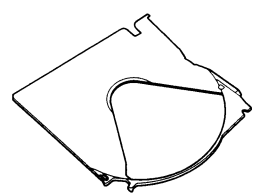
❑ CD-Wechsler



❑ CD-MAGAZIN



❑ EINSCHUB



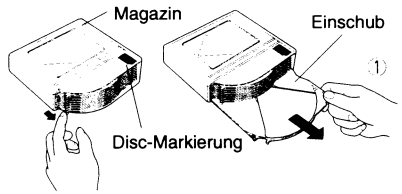
Achtung : Keine 8cm-Compact-Disc Verwenden.

Vorbereitungen

Einsetzen und Entfernen von CD-Discs

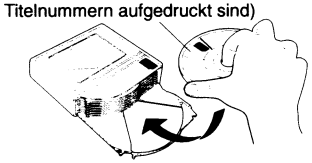
❑ Einsetzen einer CD-Disc

① Das CD-Magazin mit der Disc-Markierung nach oben anordnen, und die Einschübe einzeln aus dem Magazin bis in ihre Anschlagposition herausziehen.
② Eine CD-Disc auf den Einschub legen.
③ Den Einschub gerade in das Magazin hineindrücken, bis er einrastet.



Achtung:
Darauf achten, daß nicht mehr als eine Disc in einen Einschub eingesetzt wird, um die Einheit vor ungewollten Störungen zu schützen.

Magazin mit Beschriftungsseite (auf der die Titelnummern aufgedruckt sind)



❑ Entfernen einer CD-Disc

Die Einschübe aus dem Magazin bis in die Anschlagposition herausziehen und von jedem Einschub eine CD-Disc mit der Hand abnehmen.
Darauf achten, daß die CD-Disc beim Herausnehmen nicht fallen gelassen wird.

Achtung:
Das Magazin vorsichtig hanhaben, da sonst die Discs herausfallen können, wenn das Magazin mit der Öffnung für das Einsetzen der Discs nach unten gehalten wird.

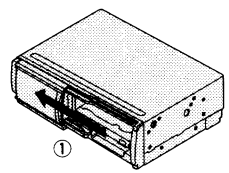
Achtung:
- Unbedingt das mit der Einheit als Zubehör mitgelieferte Magazin oder das optionale Magazin CA-MP801D verwenden. Andere Magazine können nicht verwendet werden.
- Niemals einen Schutzfilm oder Stabilisator (im Fachhandel als CD-Zubehör erhältlich) für den CX-DP801 verwenden, da dies zu Störungen führen kann.

Verwendung von CD-Wechsler und CD-Magazin

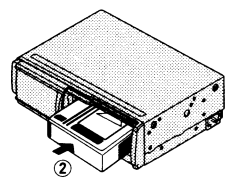
Für den Betrieb der Einheit die Bedienungsanleitung Ihres Autoradios beachten.

❑ Laden eines CD-Magazins

① Die Tür nach links schieben, bis sie mit einem Rastgeräusch vollständig geöffnet ist.

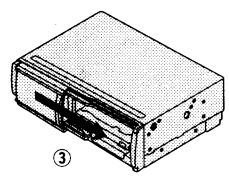


② Die Einheit auf seine Oberseite und die Magazin-Einsetzrichtung überprüfen, und das Magazin vorsichtig einschieben, bis Sie ein Einrastgeräusch vernehmen.



③ Die Schiebetür vollständig schließen, bis Sie ein Einrastgeräusch hören.

Vorsicht:
Die Tür der CD-Einheit geschlossen halten, um das Eindringen von Schmutz und Staub in die Einheit zu verhindern und möglichen Störungen vorzubeugen.

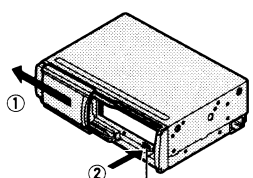


❑ Entfernen eines CD-Magazins

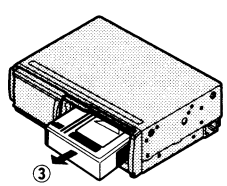
① Die Schiebetür öffnen.

② Die Auswurftaste (⏏) drücken. Das Magazin wird automatisch ausgeworfen.

③ Das Magazin gerade in Richtung des Pfeiles aus der Einheit ziehen.



Auswurftaste (⏏) drücken

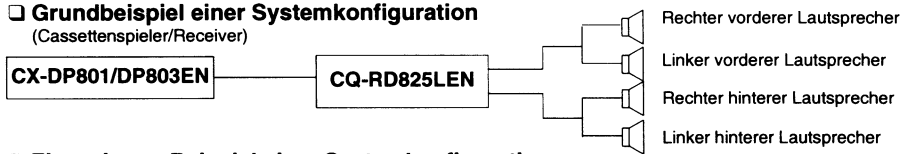


Für die Beschreibung der Funktionen siehe die Bedienungsanleitung des Autoradios.

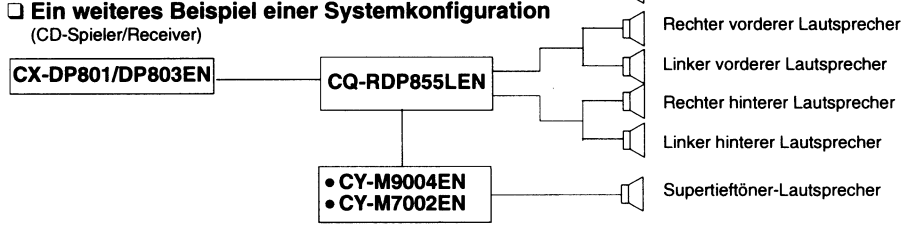
Systemdiagramm

Verschiedene Typen von Lautsprechern sind bei Ihrem Fachhändler erhältlich. Wählen Sie die zu Ihrem *Steuergerät bzw. Endstufen passenden Lautsprecher.*

❑ Grundbeispiel einer Systemkonfiguration
(Cassettenspieler/Receiver)



❑ Ein weiteres Beispiel einer Systemkonfiguration
(CD-Spieler/Receiver)



Hinweis:
- Zusätzlich zu den obigen Systemdiagrammen sollten Sie Ihren Fachhändler zu Rate ziehen.
- Diese Einheit kann an das Modell CY-RM60EN nicht angeschlossen werden.

Störungsbeseitigung

❑ Nützliche Hinweise
- Der CD-Wechsler arbeitet in einem Temperaturbereich von –10°C bis 55°C.
- Durch einen unvorschriftsmäßigen Einbau oder durch Fahren auf unebenen Straßen können beim CD-Wechsler während der Wiedergabe Tonausfälle auftreten. Dadurch werden jedoch die CDs oder das Gerät nicht beschädigt.

❑ Wenn etwas nicht funktioniert
Beim Auftreten irgendwelcher Störungen anhand der Tabellen auf der folgenden Seite die mögliche Ursachen ausfindig machen und entsprechende Abhilfemaßnahmen treffen. Einige einfache Überprüfungen oder kleine Einstellungen können das Problem bereits beheben.

❑ Fehleranzeige

Display	Beschreibung
FULL	Wird angezeigt, wenn mehr als 35 Nummern abgespeichert werden. Dies trifft nur zu, wenn der CD-Wechsler/Receiver/Cassettenspieler eine Speicherfunktion aufweist.
E1	Leuchtet auf, wenn die Compact-Disc verschmutzt oder verkehrt eingesetzt ist. Die nächste Compact-Disc wird automatisch angewählt.
E2	Leuchtet auf, wenn die Compact-Disc einen Kratzer aufweist. Die nächste Compact-Disc wird automatisch angewählt.
E3	Leuchtet auf, wenn die Einheit aus irgendeinem Grund den Betrieb einstellt. Die Auswurftaste des CD-Wechslers drücken.
0000	Wird angezeigt, wenn sich keine Disc im Disc-Magazin befindet.

- **Die Nummern vor E1, E2 sind Fehler-Disc-Nummern.**
- **Die Display-Meldungen unterscheiden sich in Abhängigkeit von den Tuner/Verstärkern mit CD-Wechsler-Kontroller.**

❑ Störungsbeseitigung

Problem	Mögliche Ursache	Abhilfe
Kein Ton, wenn ein mit Compact Disc versehenes CD-Magazin eingesetzt wird.	Die Compact Disc ist nicht richtig positioniert.	Das Magazin mit der Beschriftungsseite (auf der die Titelnummern aufgedruckt sind) nach oben anordnen.
	Kondensatbildung an dem CD-Wechsler	Etwas warten, bevor mit dem Betrieb fortgesetzt wird.
	Kabel sind nicht richtig angschlossen.	Stromkabel des Tuner/Verstärkers, Lautsprecherkabel und andere Kabel auf richtigen Anschluß überprüfen.
	Das CD-Magazin ist nicht richtig eingesetzt.	Für Einzelheiten siehe unter "Vorbereitungen"
	Der Stromschalter an dem Tuner/Verstärker ist nicht eingeschaltet.	Den Stromschalter des Tuner/Verstärkers einschalten.
Stellen der Musik werden aufgrund von Vibrationen übersprungen.	Der CD-Wechsler ist nicht richtig eingebaut.	Das Hauptgerät richtig an einem Ort einbauen, der frei von Vibrationen ist.
	Die Befestigungsschrauben wurden in der falschen Richtung festgezogen.	Die Markierung "V" oder "H" der Befestigungsschrauben auf die richtige Einbaurichtung einstellen.
Ton wird gelegentlich übersprungen.	Die Compact Disc ist schadhaft.	Eine andere Disc versuchen. Falls andere Discs richtig wiedergegeben werden, ist die erste Disc beschädigt.
	Die Compact Disc ist verschmutzt.	Die Compact Disc reinigen. Siehe Abschnitt "Hinweise über Compact-Discs"
Das CD-Magazin wird nicht ausgeworfen.	Das CD-Magazin ist beschädigt.	Wenden Sie sich an Ihren Fachhändler oder an den nächsten MSC-Kundendienst.
Kein Ton wird reproduziert, auch wenn die CD-Wiedergabetaste an dem Tuner/Verstärker gedrückt wird.	Das CD-Magazin ist nicht richtig eingesetzt. correctly inserted.	Das CD-Magazin richtig einsetzen.

Elektrischer Anschluß

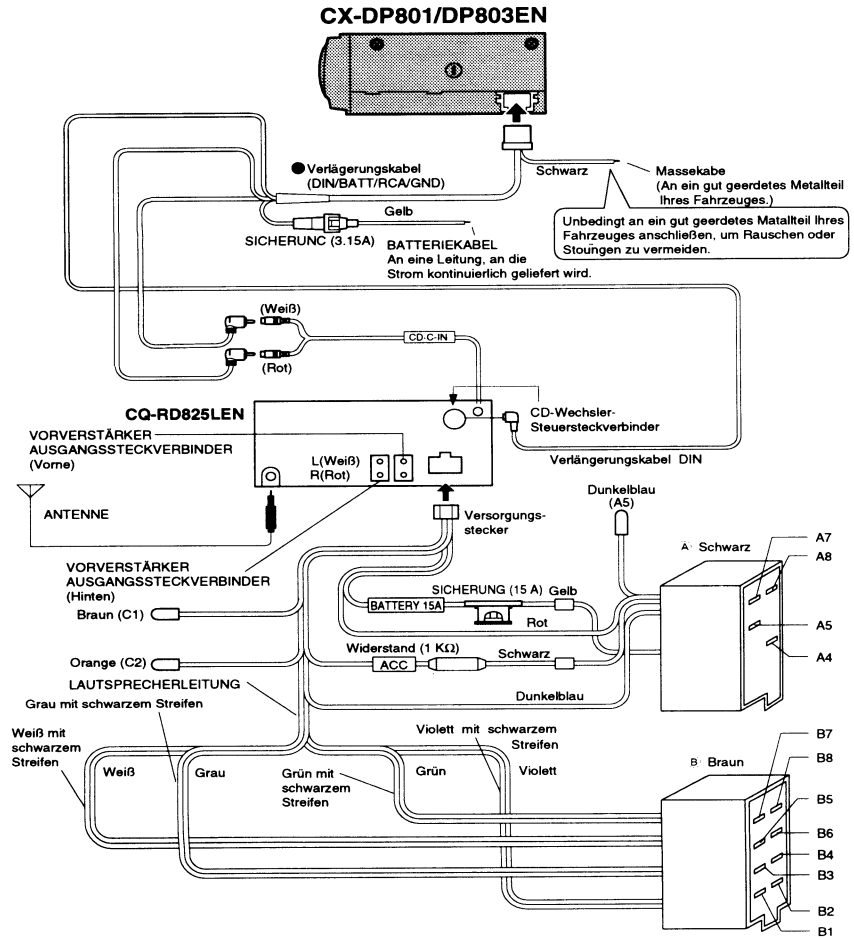
- Dieses Gerät darf nur in einer 12-Volt-Gleichstrom-Batterieanlage (Fahrzeug) mit negativer Erdung verwendet werden.
- *Gemäß dem Anschlußdiagramm vorgehen.* Wird dies unterlassen, kann eine Beschädigung des Gerätes die Folge sein.
- Zuerst das Verlängerungskabel ● an den CD-Wechsler anschließen und danach die Cinch-Stecker und den 8poligen DIN-Stecker des Verlängerungskabels an den Tuner/Verstärker anschließen. Zum Schluß noch das Batteriekabel an eine konstante Stromversorgung anschließen.
- Die Betriebs- und Einbauanleitungen der jeweiligen Ausrüstung aufmerksam durchlesen, bevor diese an das Gerät angeschlossen wird.

Einzelheiten über die Bestellung erfahren Sie von Ihrem autorisierten Panasonic-Kundendienstzentrum.

In Kombination mit dem CD-Wechsler/Steuerreceiver/Cassettenspieler (CQ-RD825LEN)

Verdrahtungszubehör

	Beschreibung	Stückzahl
●	Verlängerungskabel (DIN/BATT/RCA/GND)	1



Lautsprecher (Stecker B)

	Linker +	Linker –	Rechter +	Rechter –
Vorne	B5 (Weiß)	B6 (Weiß mit schwarzem Streifen)	B3 (Grau)	B4 (Grau mit schwarzem Streifen)
Hinten	B7 (Grün)	B8 (Grün mit schwarzem Streifen)	B1 (Violett)	B2 (Violett mit schwarzem Streifen)

A4

BATTERIEKABEL (Zur Fahrzeugbatterie) (Gelb)
Mit dem Anschluß "BAT." am Sicherungsblock des Fahrzeugs verbinden.
Das gelbe Kabel muß unabhängig von der Stellung des Zündschlüssels ständig Spannung führen.

A5

STEUERKABEL FÜR RELAIS DER AUTOMATISCHEN ANTENNE (Dunkelblau)
(Zu automatischer Antenne) (Max. 500 mA) (Dieses Kabel ist nicht zur Verwendung mit einer schalterbetätigten automatischen Antenne bestimmt.)
VERSTÄRKER/RELAIS-STEUERSTROMLEITUNG
Diese Leitung ist zum Anschließen an den Panasonic-Leistungsverstärker vorgesehen.

A7

STROMVERSORGUNGSKABEL (Rot)
Mit der Radio-Stromversorgungsleitung des Fahrzeugs bzw. mit dem Anschluß "IGN" oder "ACC" am Sicherungsblock verbinden.

A8

MASSEKABEL (Schwarz)
Mit einem Metallteil des Fahrzeugs mit einwandfreiem Masseanschluß verbinden.

C1

Steuerkabel des Autoradio-Alarmadapters (Braun)
(Zum Autoradio-Alarmadapter) (CA-HAL1EN).

C2

TELEFON-STUMMSCHALTUNGSKABEL (Orange)
(Zu Fahrzeug-Telefon-Stummschaltungsleitung)
TELEFON-STUMMSCHALTUNG
Wenn das Telefon-Stummschaltungskabel mit der Fahrzeug-Telefon-Stummschaltungsleitung verbunden ist, wird die Stummschaltung während eines Telefongespräches aktiviert, und von den Lautsprechern ist kein Ton zu hören.
Hinweis: Diese Radio-Stummschaltungsleitung ist nur zum Anschluß an das Telefon-Stummschaltungskabel gedacht. Diesen Punkt unbedingt beachten, da die Stummschaltung mit einem anderen Ausgangssystemtyp nicht funktioniert.

Einbau

❑ Vorsichtsmaßnahmen

Dieses Gerät sollte möglichst fachmännisch eingebaut werden. Im Falle von Schwierigkeiten wenden Sie sich bitte an Ihren nächsten fachkundigen Monteur.

1. Dieses Gerät funktioniert nur in einer 12V-Gleichstromanlage mit negativer Erdung.
2. Vor dem Einbau und der Verdrahtung die negative (–) Klemme der Batterie abtrennen. (Siehe folgenden Hinweis.)

Hinweis:
Die negative Batterieklemme nicht in Fahrzeugen abtrennen, die mit Fahrt- oder Navigations-Computern ausgerüstet sind. Alle elektronischen Speichereinstellungen, die früher registriert worden sind, werden gelöscht. Beim Einbauen des Gerätes besonders vorsichtig sein, um Kurzschlüsse zu vermeiden..

3. Das Verdrahtungsdiagramm genau beachten, um Beschädigung des Gerätes zu vermeiden.
4. Alle freiliegenden Drähte isolieren, um Kurzschlüsse zu vermeiden.
5. Nach dem Einbau des Gerätes alle losen Drähte festmachen.
6. **Zuerst das Verlängerungskabel ● an den CD-Wehcsler anschließen und danach die Cinch-Stecker und den 8poligen DIN-Stecker des Verlängerungskabels an den Tuner/Verstärker anschließen. Zum Schluß noch das Batteriekabel an eine konstante Stromversorgung anschließen.**
7. Die Betriebs- und Einbauanleitungen von dem Gerät, an das Sie den CD-Wechsler anschließen wollen, aufmerksam durchlesen.
8. Falls das Gerät nach dem Drücken von anderen Tasten nicht funktioniert, den Rückstellschalter drücken. Wenn durch Drücken des Rückstellschalters der normale Betrieb nicht wiederhergestellt wird, wenden Sie sich bitte an Ihr autorisiertes Panasonic-Kundendienstzentrum.

❑ Einbau-Teileliste

	Beschreibung	Stückzahl
●	Sechskantschraube mit doppelten Unterlegescheiben (M4 x 8)	4
●	Bodenhalterung	2
●	Sechskantmutter (M5)	4
●	Einbauhalterung (L)	1
●	Einbauhalterung (R)	1
●	Doppelseitiges Klebeband	2

Einbau (Fortsetzung)

❑ Einbauort

Dieses Gerät nicht auf der Hutablage im Fond des Fahrzeuges einbauen, da dort die Temperatur sehr hoch ansteigen kann. Nichtbeachtung dieser Anweisung kann zu Störungen führen. Außerdem das Gerät nicht an den folgenden Orten einbauen.

- An Orten, die direkter Sonnenbestrahlung, Warmluft von der Heizanlage oder sonstwie hohen Temperaturen ausgesetzt sind.
- An einem Ort, an dem das Gerät nicht einwandfrei befestigt werden kann, oder an Orten mit starker Vibration.
- An Orten mit hoher Luftfeuchtigkeit bzw. mit viel Schmutz und Staub.

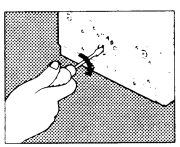
Einbau des Gerätes

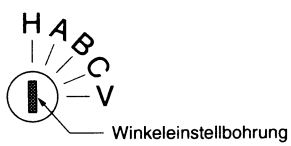
Einen Schraubendreher verwenden, um die Winkeleinstellbohrung auf Position "V" oder "H" einzustellen, abhängig von dem gewählten Einbauwinkel.
(Vor dem Versand wurde die Winkeleinstellbohrung auf Position "H" eingestellt.)

- Bei vertikalem Einbau: Auf Position "V" einstellen.
- Bei horizontalem Einbau: Auf Position "H" einstellen.

Vorsicht:
- Die Winkeleinstellbohrung auf den gewählten Winkel einstellen.
- Die Bohrungen an der linken und rechten Seite richtig einstellen.

Dieses Gerät kann auf fünf Richtungen eingestellt werden:
Horizontal, vertikal und die Positionen A (22,5°), B (45°) und C (67,5°). Das Gerät gemäß nachfolgenden Abbildungen einbauen.



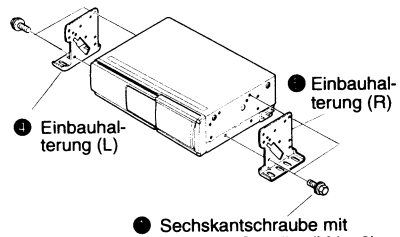


Einbau des Gerätes und Wahl des Einbauwinkels

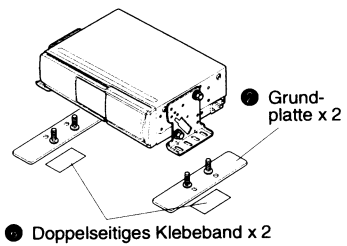
	Einbau	Winkel	Wahl eines Einbauwinkels
Horizontal:	Typischer horizontaler Einbau (Normal) (Umgekehrt)	Begrenzung auf weniger als 10 Grad. Begrenzung auf weniger als 10 Grad.	H A B C V Die Bohrung auf die gleiche Position an der linken und rechten Seite einstellen.
Vertikal:	Typischer vertikaler Einbau (Normal) (Umgekehrt)	Nicht in diese Richtung neigen. Begrenzung auf weniger als 10 Grad. Begrenzung auf weniger als 10 Grad.	C B A H V Die Bohrung auf die gleiche Position an der linken und rechten Seite einstellen.

Typischer horizontaler Einbau

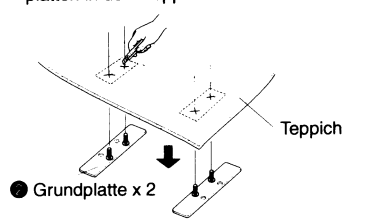
1 Je eine Einbauhalterung (L) oder (R) mit einer Sechskantschraube mit doppelten Scheiben (M4 x 8) an jeder Seite des Hauptgerätes anbringen.



2 Die Einbauposition für das Gerät auswählen. Die Grundplatten mit doppelseitigem Klebeband befestigen.

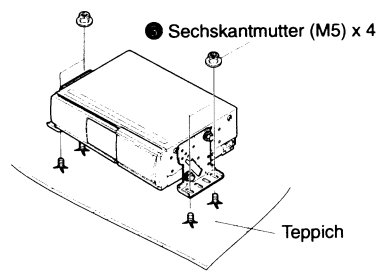


3 Mit einem Messer ein kleines Kreuz an den Positionen für die M5 Schrauben der Grundplatten in dem Teppich einschneiden.



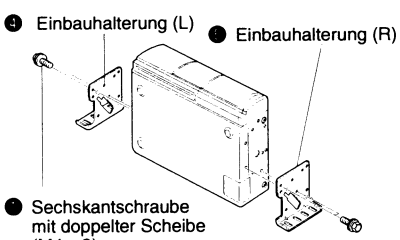
Die beiden Grundplatten mit doppelseitigem Klebeband auf der Einbaufläche unter dem Teppich befestigen.

4 Das Gerät mit vier Sechskantmuttern (M5) auf dem Teppich befestigen.

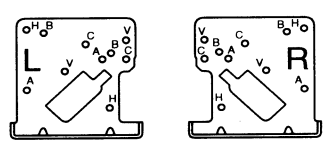


Typischer vertikaler Einbau

Je eine Einbauhalterung mit einer Sechskantschraube mit doppelten Scheiben (M4 x 8) an jeder Seite des Gerätes anbringen.



Zusammenhang zwischen Einbaubohrungen und Einbauwinkeln



Einbauhalterung (L) **Einbauhalterung (R)**

Der Zusammenhang zwischen den Einbaubohrungen und Einbauwinkeln der einbauhalterungen (L und R) ist oben dargestellt. Die den Einbauwinkeln entsprechenden Symbole sind in der Nähe der entsprechenden Bohrungen markiert. Wählen Sie die richtigen Bohrungen in Abhängigkeit von den verwendeten Einbauwinkeln.

Besondere Hinweise

❑ Hinweise über Compact-Discs

VERWENDEN SIE NUR SOLCHE COMPACT-DISCS, DIE DAS RECHTS DARGESTELLTE ETIKETT AUFWEISEN

COMPACT disc DIGITAL AUDIO

- Staub, Schmutz, Kratzer und CD-Verformung werden Betriebsstörungen verursachen. Bitte handhaben Sie Compact-Discs sorgfältig.
- Zerkratzen Sie Compact-Discs nicht, und kleben Sie keine Etiketten darauf.
- Biegen Sie Compact-Discs nicht.
- Compact-Discs sollten zum Schutz gegen Beschädigung immer in ihrer Plastikhülle aufbewahrt werden, solange sie nicht benutzt werden.
- An den folgenden Orten sollten Compact-Discs nicht herumliegen:
  1. Unter direkter Sonneneinstrahlung
  2. Schmutzige, staubreiche und feuchte Orte
  3. In der Nähe einer Fahrzeugheizung
  4. Auf den Sitzen und dem Armaturenbrett

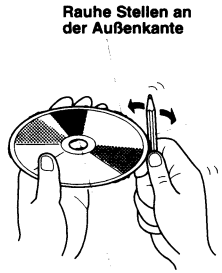
Etikett
Etikettseite nach oben
Nicht die Unterseite der Disc berühren.
Die CD von der Mitte her nach aussen sauberwischen.

Reinigen von Compact-Discs

Wischen Sie die Oberfläche mit einem trockenen, weichen Tuch ab. Falls die CD stark verschmutzt ist, sollten Sie ein leicht mit Isopropylalkohol befeuchtetes, weiches Tuch verwenden. Benutzen Sie niemals solche Flüssigkeiten wie Benzin, Farbverdünner oder Schallplattenreiniger, da die CD-Oberfläche sonst leicht beschädigt werden könnte.

❑ Vorsichtsmaßnahmen bei neuen Compact-Discs

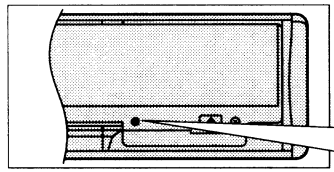
Eine neue Compact-Disc hat an der inneren und der äußeren Kreiskante eventuell rauhe Stellen. Wenn solch eine CD mit rauher Kante verwendet wird, ist keine präzise Positionierung möglich, und der CD-Spieler kann die Compact-Disc nicht abspielen. Entfernen Sie solche unregelmäßigen Stellen mit einem Kugelschreiber oder Bleistift, wie rechts dargestellt. Pressen Sie einfach die Seite des Schreibstifts gegen die äußere und innere Kante der Compact-Disc.



Reinigung des Gerätes

Zur Reinigung des Gerätes mit einem weichen Tuch abwischen. Auf keinen Fall Benzin, Verdünner oder irgendein anderes Lösungsmittel verwenden.

Abnormale Betriebsbedingungen!!



Falls ein ungewöhnliches Geräusch zu hören ist oder die CD-Bedienungstasten nicht normal funktionieren. Den Rückstellschalter mit einem spitzen Gegenstand, wie z.B. einer Blistiftspitze, niederdrücken.

Sicherung

Als Ersatz für eine durchgebrannte Sicherung unbedingt eine Sicherung mit dem vorgeschriebenen Nennwert (3,15 A) verwenden. Durch den Gebrauch von Sicherungen mit höheren Nennwerten, von Sicherungsersatzteilen oder durch den Anschluß ohne Gebrauch einer Sicherung kann ein Brand oder Geräteschaden verursacht werden. Falls die Austauschsicherung ebenfalls durchbrennt, wenden Sie sich bitte an die nächste Panasonic-Kundendienststelle.

Zubehör

- 1-CD-Magazin
- Betriebs- und Einbauanleitungen
- Verdrahtungszubehör (1 Satz)
- Einbauteile (1 Satz)
- Zusätzliche Magazine sind bei Ihrem lokalen Fachhändler erhältlich (CA-MP801D).

TERMINALS DISCRIPTION (1) / KLEMMENBESCHREIBUNG (1)

■ IC2 MN662741RPA

Pin No.	Port	Description	I/O	Vol. (V)
1	BCLK	Bit clock output	O	2.4
2	LRCK	L/R select output	O	2.4
3	SRDATA	Serial data output	O	2.4
4	DV_{DD1}	+5V digital power supply	—	5.0
5	DV_{SS1}	Digital ground	—	0
6	TX	Not used	—	—
7	MCLK	MPU command clock	I	4.9
8	MDATA	MPU command data	I	0.1
9	MLD	MPU command load	I	5.0
10	SENSE	Not used	—	—
11	/FLOCK	Not used	—	—
12	/TLOCK	Not used	—	—
13	BLKCK	Sub-code block clock	O	0.1
14	SQCK	Q code external clock	I	5.0
15	SUBQ	Q code output	O	0
16	DMUTE	Mute input	I	5.0
17	STAT	Status output	O	0
18	/RST	Reset input	I	5.0
19, 20	PMCK	Not used	—	—
21	TRV	Forced traverse output	O	2.5
22	TVD	Traversed drive output	O	2.5
23	PC	Not used	—	—
24	ECM	Spindle motor drive	O	2.5
25	ECS	Spindle motor drive	O	2.5
26	KICK	Kick pulse output	O	2.5
27	TRD	Tracking drive	O	2.5
28	FOD	Focus drive	O	2.5
29	VREF	D/A reference voltage	I	2.5
30	FBAL	Focus balance adjust	O	2.6
31	TBAL	Tracking balance adjust	O	2.4
32	FE	Focus error signal	I	2.4
33	TE	Tracking error signal	I	2.4
34	RFENV	RF envelope signal	I	2.4
35	VDET	Vibration detection	I	0

Pin No.	Port	Description	I/O	Vol. (V)
36	OFT	Off track signal	I	0
37	TRCRS	Track closs signal	I	2.8
38	/RFDET	RF detection signal	I	4.8
39	BDO	Drop out signal	I	0
40	LDON	Laser on/off control	O	2.4
41	TES	Tracking error shunt	O	2.4
42	PLAY	Not used	—	—
43	WVEL	Not used	—	—
44	ARE	RF signal	I	2.4
45	IREF	Reference current input	I	1.2
46	DRF	Connecting to ground	—	0
47	DSLF	DSL loop filter	I/O	2.4
48	PLLF	PLL loop filter	I/O	2.2
49	VCOF	Connecting to V_{DD}	—	5.0
50	AV_{DD2}	+5V analog power supply	—	5.0
51	AV_{SS2}	Analog ground	—	0
52~56		Not used	—	—
57	V_{SS}	Ground	—	0
58	X1	Crystal oscillator	—	2.4
59	X2	Crystal oscillator	—	2.3
60	V_{DD}	+5V power supply	—	5.0
61~69		Not used	—	—
70	/RST2	Connecting to ground	—	0
71	/TEST	Connecting to V_{DD}	—	5.0
72	AV_{DD1}	+5V analog power supply	—	5.0
73	OUTL	Audio Lch output	0	2.4
74	AV_{SS1}	Analog ground	—	0
75	OUTR	Audio Rch output	0	2.4
76	RSEL	Connecting to V_{DD}	I	5.0
77	CSEL	Connecting to ground	—	0
78	PSEL	Serial data input	I	2.4
79	MSEL	L/R select input	I	2.4
80	SSEL	Bit clock input	I	2.4

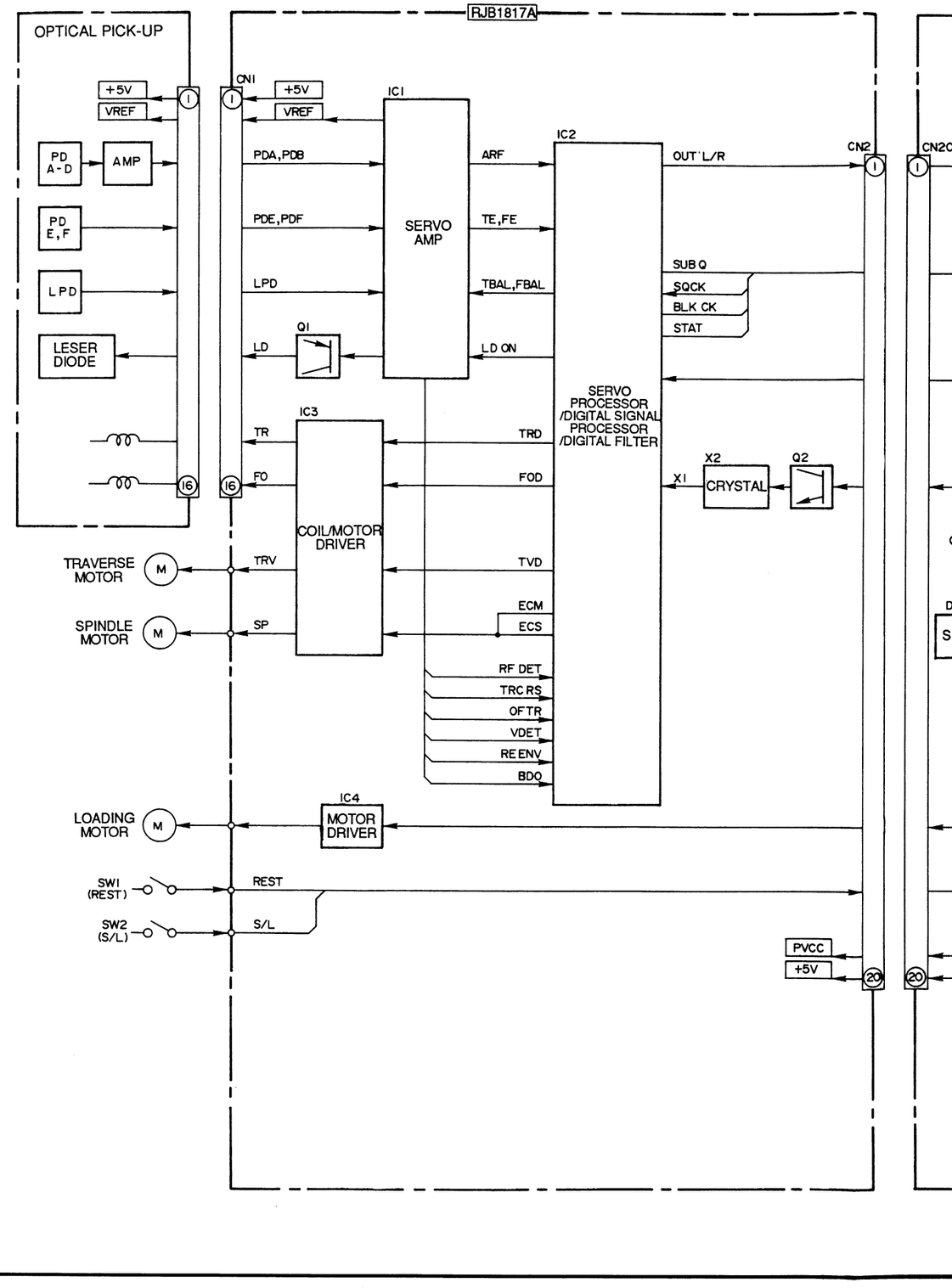
TERMINALS DISCRIPTION (2) / KLEMMENBESCHREIBUNG (2)

■ IC600 UPD78053G200

Pin No.	Port	Dscription	I / O	Vol. (V)
1	TEST EJ (NC)	—	—	—
2	DIP SW (NC)	—	—	—
3	(NC)	—	—	—
4	AVSS	Ground	—	0
5	(NC)	—	—	—
6	(NC)	—	—	—
7	AVREF	+5V Power Supply	—	5.0
8	(NC)	—	—	—
9	CH DATA	Changer Serial Data output	O	5.0
10	CH CLK	Changer Clock Output	O	0
11	SUBQ	Q-Code Data Input	I	0
12	(NC)	—	—	—
13	SQ CK	Q-Code Clock Output	O	5.1
14	CH STB	Changer Strobe output	O	0
15	(NC)	—	—	—
16	(NC)	—	—	—
17	JO	Format Select Input	I	0
18	A/D	Play/Stop Input	I	0
19	(NC)	—	—	—
20	(NC)	—	—	—
21	(NC)	—	—	—
22	(NC)	—	—	—
23	(NC)	—	—	—
24	(NC)	—	—	—
25	ERR OUT (NC)	—	—	—
26	(NC)	—	—	—
27	POWER ON	Power ON Signal Output	O	5.1
28	CO OUT (NC)	—	—	—
29	CD MUTE (NC)	—	—	—
30	(NC)	—	—	—
31	PHO ON	Photo Senser Power Control Output	O	4.9
32	(NC)	—	—	—
33	VSS	Ground	—	0
34	ELVH REV	Elevator Motor Drive Output (Reverse)	O	0
35	ELVH FWD	Elevator Motor Drive Output (Forward)	O	0
36	(NC)	—	—	—
37	AV ON (NC)	—	—	—
38	ELV2.5 SW (NC)	—	—	—
39	(NC)	—	—	—
40	SPEED 2/1	Elevator Motor Speed Control Output	O	5

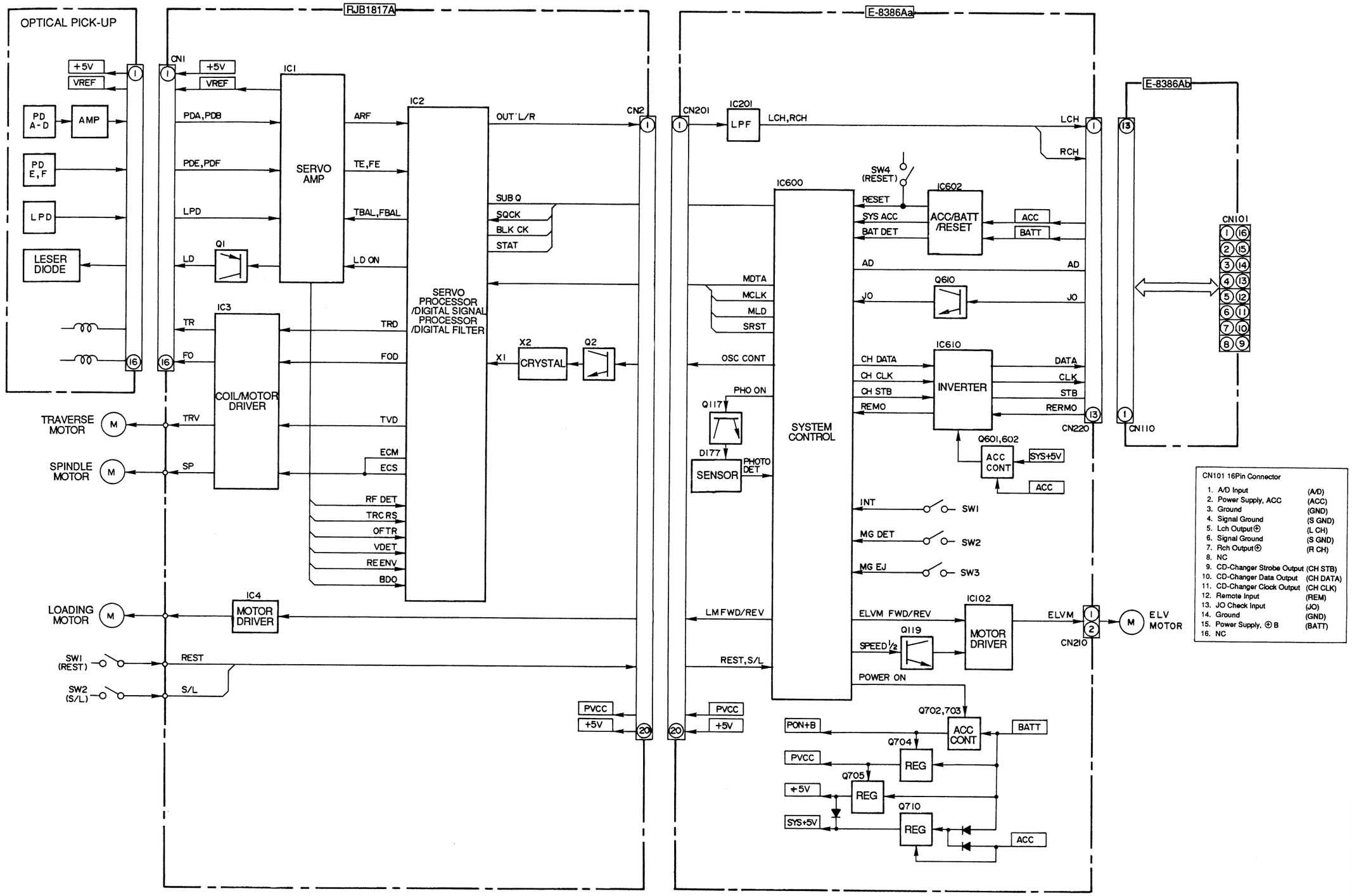
Pin No.	Port	Dscription	I / O	Vol. (V)
41	TEST CLK	Test Clock Input (Host to Changer)	I	5
42	TEST DATA	Test Clock Output (Changer to Host)	O	5
43	TEST STB	Test Data In/Out	I/O	5
44	MCLK	Servo LSI Command Output (Clock)	O	4.9
45	MDATA	Servo LSI Command Output (Data)	O	0.8
46	MLD	Servo LSI Command Output (Load)	O	5
47	TEST	Test Signal Input	I	5
48	STAT	Servo LSI Status Input	I	4.7
49	SRST	Servo LSI Reset Output	O	5.0
50	RESET SW (NC)	—	—	—
51	TEST1 (NC)	—	—	—
52	TEST2 (NC)	—	—	—
53	LSC CONT	Servo LSI Oscillator Control Output	O	0
54	LM REV	Loading Motor Drive Output (Reverse)	O	0
55	LM FWD	Loading Motor Drive Output (Forward)	O	0
56	S/L SW	Save/Load (S/L) Switch Signal Input	I	0
57	REST SW	REST Switch Signal Input	I	5.0
58	INT SW	INT Switch Signal Input	I	5.0
59	(NC)	—	—	5.0
60	RESET	System Reset Signal Input	I	5.0
61	BLK CK	Servo LSI Block Interrupt	I	0.1
62	PHOTO DET	Photo Sensor Input (for Elevator Position)	I	0.4
63	SYS ACC	ACC Voltage Detection	I	4.9
64	BAT DET	Batt Voltage Detection	I	4.9
65	REMO	Remocon Data Input	I	5.2
66	MG DET SW	Mgazine Detect Switch Signal Input	I	0
67	MG EJ SW	Mgazine Eject Switch Signal Input	I	5.0
68	VDD	+5V Power Supply	—	5.0
69	X2	Main system Clock	O	3.0
70	X1	Main system Clock	I	2.5
71	IC (VPP)	—	—	—
72	XT2 (NC)	—	—	—
73	VDD	+5V Power Supply	—	5.0
74	AVDD	+5V Power Supply	—	5.0
75	AVREF0	+5V Power Supply	—	5.0
76	TEMP (NC)	—	—	—
77	TEST TRUP (NC)	—	—	—
78	TEST TRDWN (NC)	—	—	—
79	TEST DUP (NC)	—	—	—
80	TEST DOWN (NC)	—	—	—

BLOCK DIAGRAM MODELS CX-DP801EN/DP803EN



BLOCK DIAGRAM MODELS CX-DP801EN/DP803EN

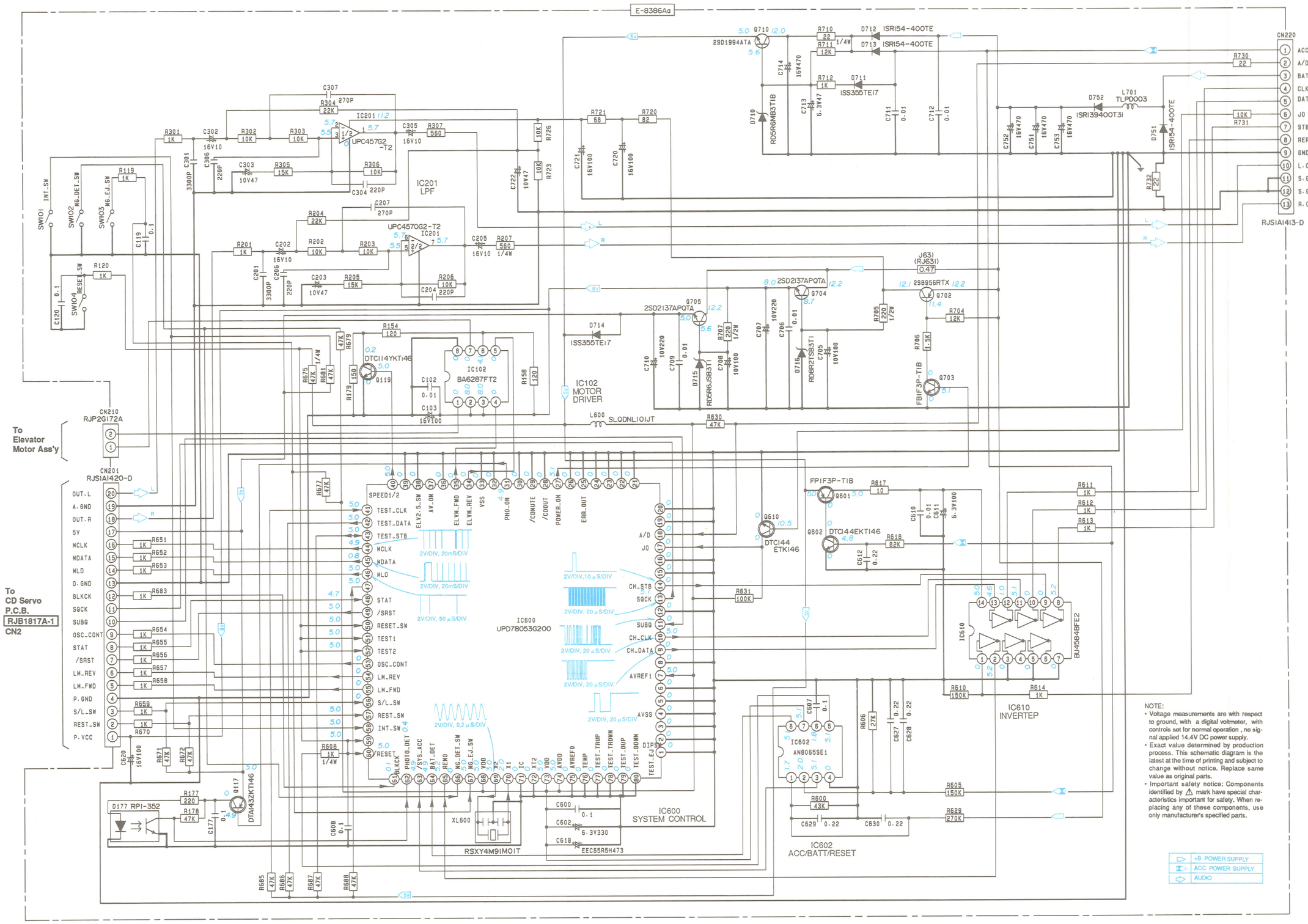
	I / O	Vol. (V)
	I	5
	O	5
	I/O	5
	O	4.9
	O	0.8
	O	5
	I	5
	I	4.7
	O	5.0
	—	—
	—	—
	—	—
	O	0
	O	0
	O	0
	I	0
	I	5.0
	I	5.0
	—	5.0
	I	5.0
	I	0.1
)	I	0.4
	I	4.9
	I	4.9
	I	5.2
	I	0
	I	5.0
	—	5.0
	O	3.0
	I	2.5
	—	—
	—	—
	—	5.0
	—	5.0
	—	5.0
	—	—
	—	—
	—	—
	—	—
	—	—



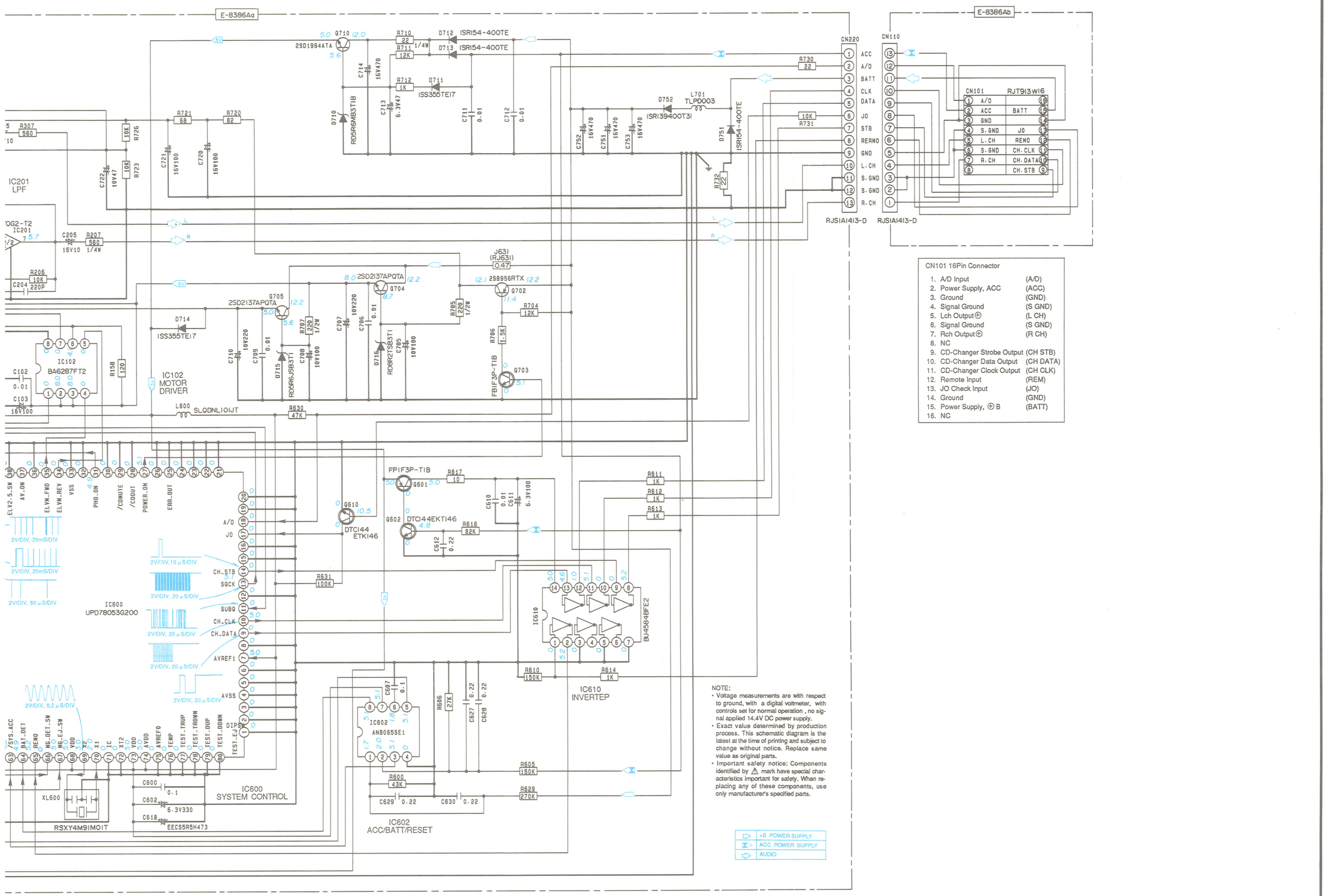
8 DISC CD CHANGER

CX-DP801EN/DP803EN CX-DP801EN/DP

SCHEMATIC DIAGRAM / SCHALTBILT (MAIN BLOCK) MODELS CX-DP801EN/DP803EN


E-8386Ao
IC201 LPF
UPC457G2-T2
IC102 MOTOR DRIVER
BA6287FT2
IC600 SYSTEM CONTROL
UPD78053G200
IC610 INVERTEP
BU4584BFE2
IC602 ACC/BATT/RESET
AN8065SE1
RSXY4M91M01T
CN220
RJSIAI413-D
CN110
RJSIAI4
CN210 RJP2G172A
CN201 RJSIAI420-D
To Elevator Motor Ass'y
To CD Servo P.C.B. RJB1817A-1 CN2
NOTE:
• Voltage measurements are with respect to ground, with a digital voltmeter, with controls set for normal operation , no signal applied 14.4V DC power supply.
• Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.
• Important safety notice: Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
+B POWER SUPPLY
ACC POWER SUPPLY
AUDIO

CX-DP801EN/DP803EN



CN101 16Pin Connector

1.	A/D Input	(A/D)
2.	Power Supply, ACC	(ACC)
3.	Ground	(GND)
4.	Signal Ground	(S GND)
5.	Lch Output ⊕	(L CH)
6.	Signal Ground	(S GND)
7.	Rch Output ⊕	(R CH)
8.	NC	
9.	CD-Changer Strobe Output	(CH STB)
10.	CD-Changer Data Output	(CH DATA)
11.	CD-Changer Clock Output	(CH CLK)
12.	Remote Input	(REM)
13.	JO Check Input	(JO)
14.	Ground	(GND)
15.	Power Supply, ⊕ B	(BATT)
16.	NC	

NOTE:
- Voltage measurements are with respect to ground, with a digital voltmeter, with controls set for normal operation , no signal applied 14.4V DC power supply.
- Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.
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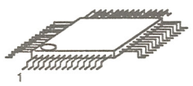
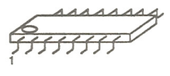
+B POWER SUPPLY
ACC POWER SUPPLY
AUDIO

WIRING DIAGRAM / VERDRAHTUNG (MAIN BLOCK) MODELS CX-DP801EN/DP803EN

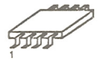
ICs & Transistors



IC600	80PIN

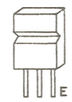


IC610	14PIN



IC102	8PIN
IC201	8PIN
IC602	8PIN

• Q702 • Q710



• Q704, 705

• Other Transistors

IC102	
1	0V
2	8.0V
3	8.0V
4	0V
5	0V
6	0.1V
7	0V
8	0V

IC610	
1	0V
2	5.2V
3	0V
4	-
5	0V
6	-
7	0V
8	5.2V
9	0V
10	0V
11	5.1V
12	1.0V
13	5.0V
14	5.0V

Q117	
B	4.9V
C	0V
E	5.0V

Q702	
B	11.4V
C	12.1V
E	12.2V

Q119	
B	5.0V
C	0.2V
E	0V

Q703	
B	5.1V
C	0V
E	0V

IC201	
1	5.7V
2	5.7V
3	5.5V
4	0V
5	5.5V
6	5.7V
7	5.7V
8	11.2V

Q601	
B	0V
C	5.0V
E	5.0V

Q704	
B	8.7V
C	12.2V
E	8.0V

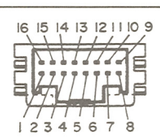
Q602	
B	4.8V
C	0V
E	0V

Q705	
B	5.6V
C	12.2V
E	5.0V

IC602	
1	1.7V
2	2.0V
3	4.9V
4	0V
5	5.1V
6	1.8
7	5.1V
8	5.1V

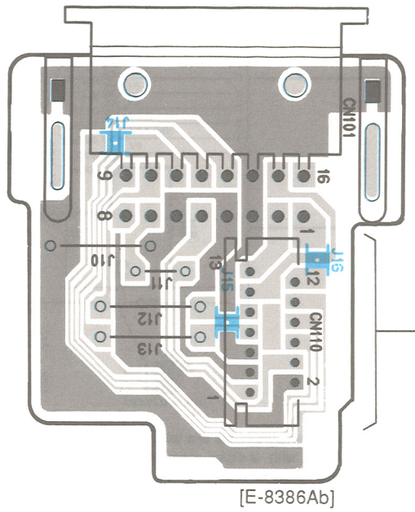
Q610	
B	10.5V
C	0V
E	0V

Q710	
B	5.6V
C	12.0V
E	5.0V

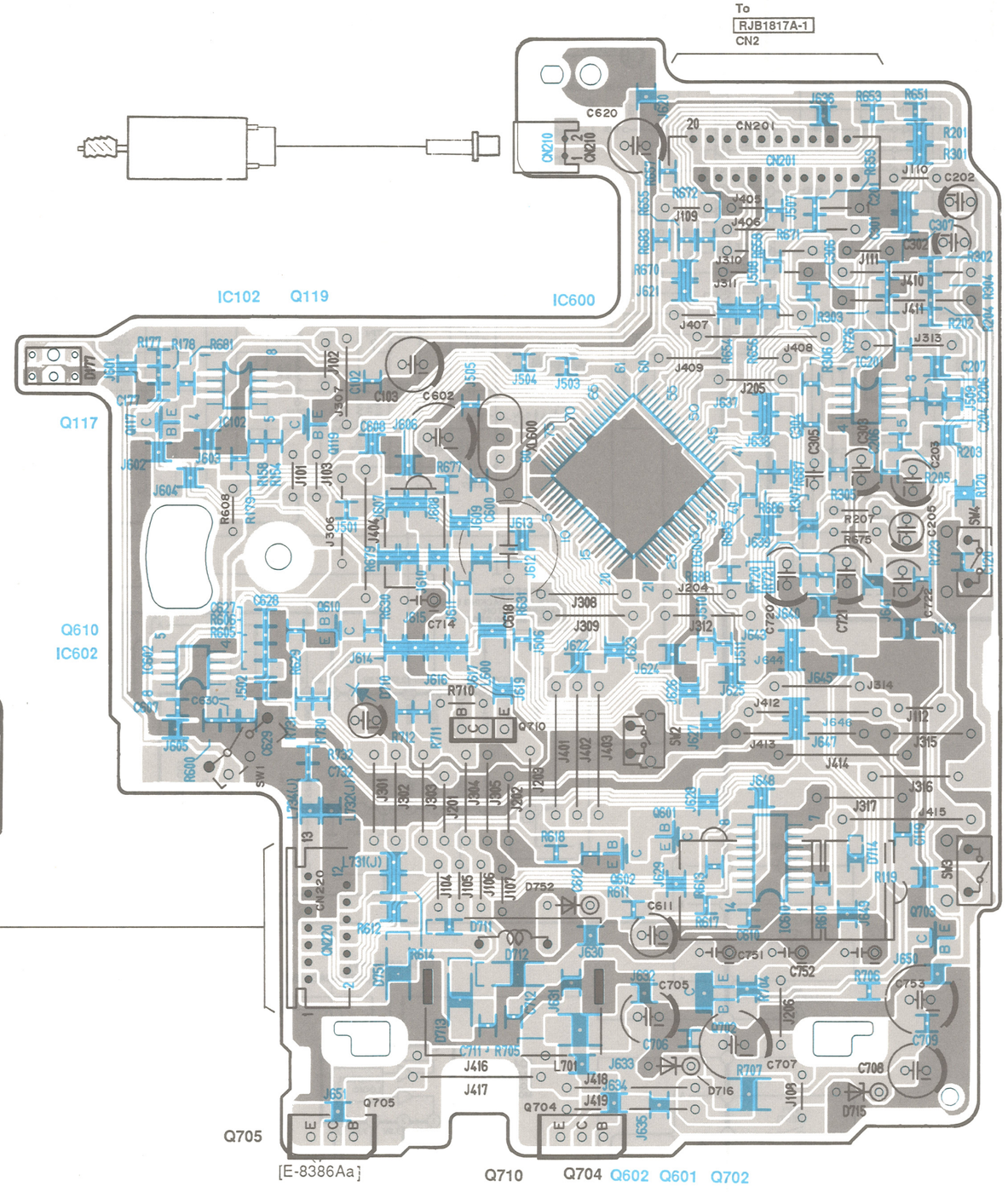


CN101 16Pin Connector

1.	A/D Input	(A/D)
2.	Power Supply, ACC	(ACC)
3.	Ground	(GND)
4.	Signal Ground	(S GND)
5.	Lch Output⊕	(L CH)
6.	Signal Ground	(S GND)
7.	Rch Output⊕	(R CH)
8.	NC	
9.	CD-Changer Strobe Output	(CH STB)
10.	CD-Changer Data Output	(CH DATA)
11.	CD-Changer Clock Output	(CH CLK)
12.	Remote Input	(REM)
13.	JO Check Input	(JO)
14.	Ground	(GND)
15.	Power Supply, ⊕B	(BATT)
16.	NC	



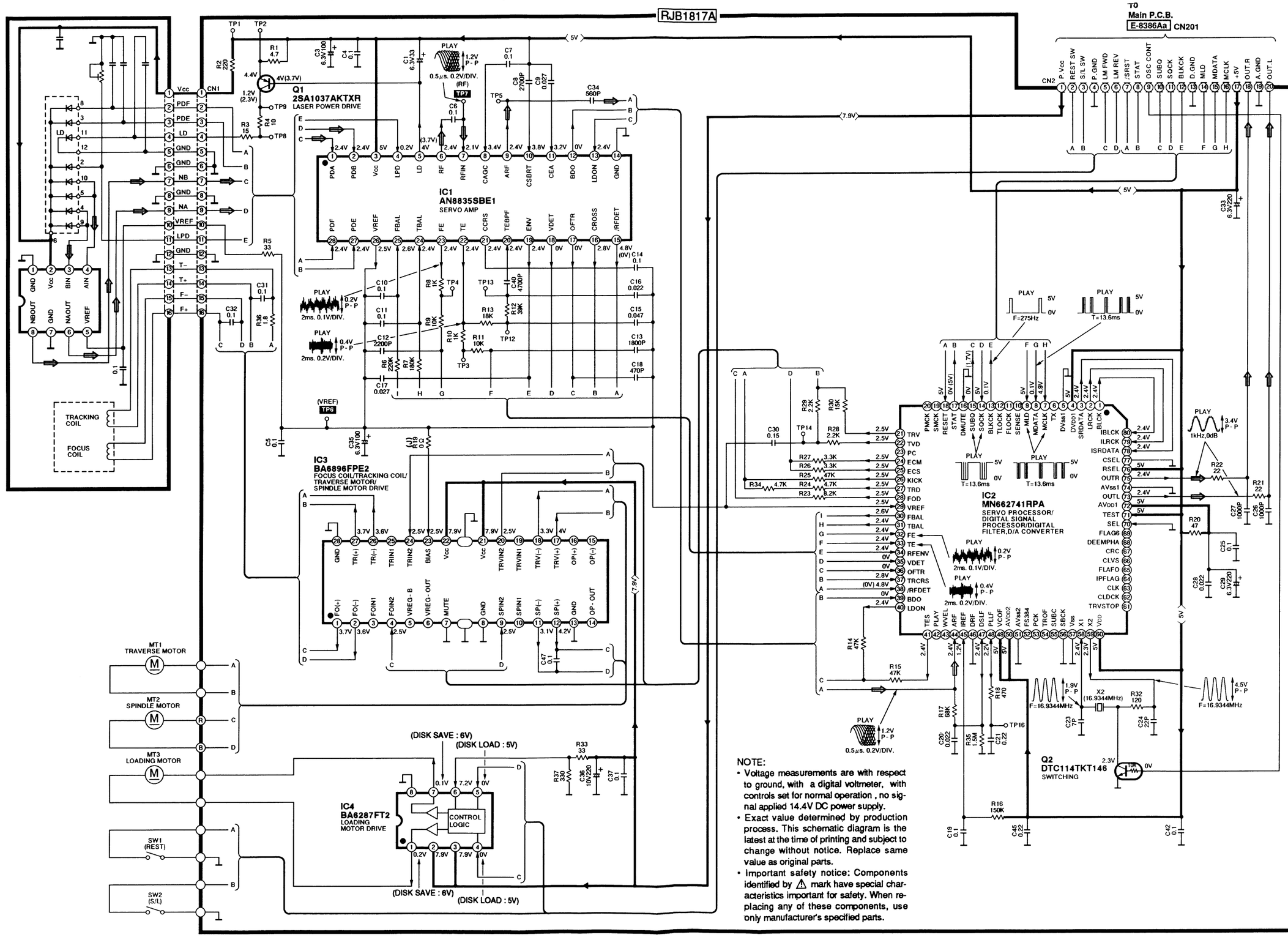
[E-8386Ab]



[E-8386Aa]

SCHEMATIC DIAGRAM / SCHALTBILT(CD SERVO BLOCK) MODELS CX-DP801EN/DP803EN

RJB1817A



NOTE:
- Voltage measurements are with respect to ground, with a digital voltmeter, with controls set for normal operation , no signal applied 14.4V DC power supply.
- Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.
- Important safety notice: Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

8 DISC CD CHANGER

WIRING DIAGRAM / VERDRAHTUNG (CD SERVO BLOCK) MODELS CX-DP801EN/DP803EN

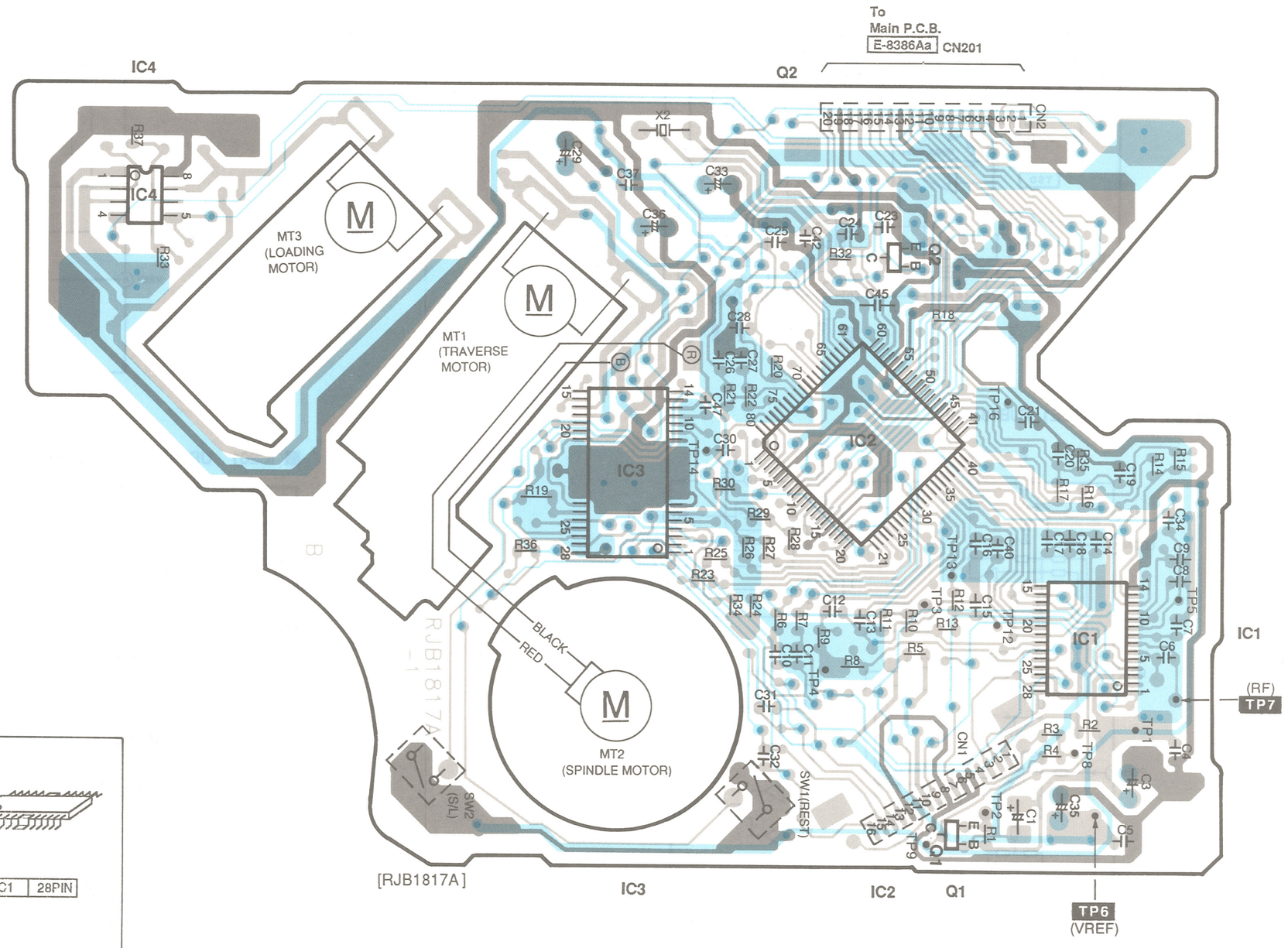
IC1			
1	2.4V	15	4.8V
2	2.4V	16	2.8V
3	5.0V	17	0V
4	0.2V	18	0V
5	4.0V	19	2.4V
6	2.4V	20	2.4V
7	2.1V	21	2.4V
8	3.4V	22	2.4V
9	2.4V	23	2.4V
10	3.8V	24	2.4V
11	3.2V	25	2.6V
12	0V	26	2.5V
13	2.4V	27	2.4V
14	0V	28	2.4V

IC3			
1	3.7V	15	-
2	3.6V	16	-
3	-	17	4.0V
4	2.5V	18	3.3V
5	-	19	-
6	-	20	2.5V
7	0V	21	7.9V
8	0V	22	7.9V
9	2.5V	23	2.5V
10	-	24	2.5V
11	3.1V	25	-
12	4.2V	26	3.6V
13	0V	27	3.7V
14	-	28	0V

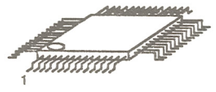
IC4	
1	0.2V
2	7.9V
3	7.9V
4	0V
5	0V
6	7.2V
7	0.1V
8	0V

Q1	
B	4.0V
C	1.2V
E	4.4V

Q2	
B	0V
C	2.3V
E	0V

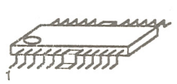


ICs & Transistors



IC2	80PIN

IC3	28PIN
IC4	8PIN



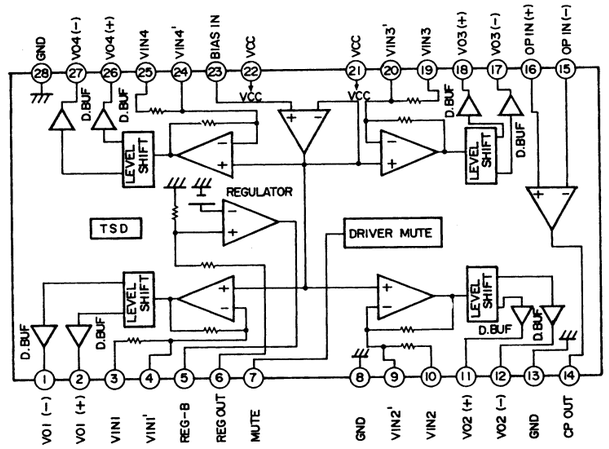
IC1	28PIN

• Q1

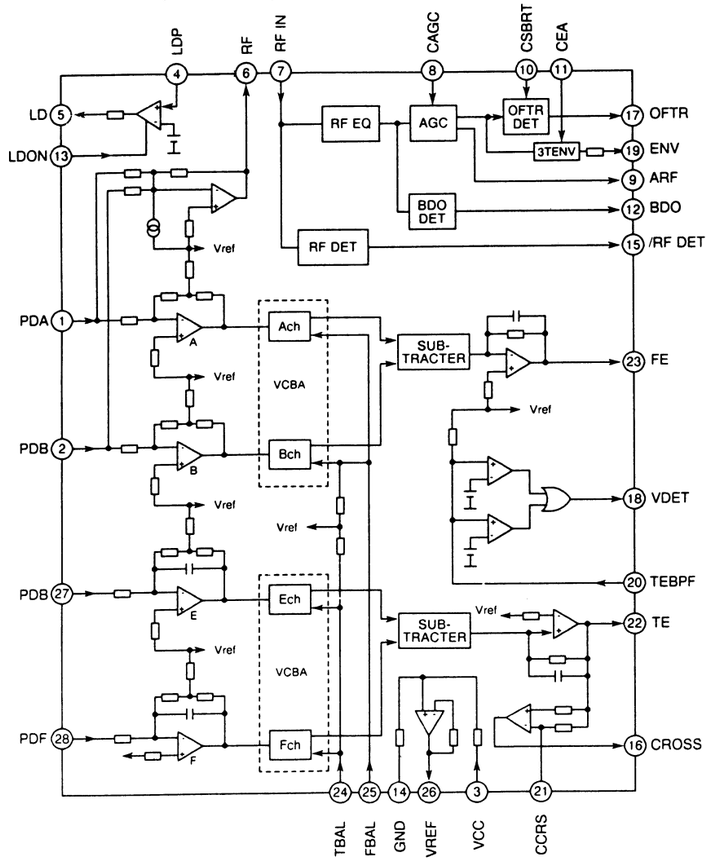
• Q2

IC BLOCK DIAGRAMS (1)

■ IC3 BA6896FPE2 (RJB1817A)

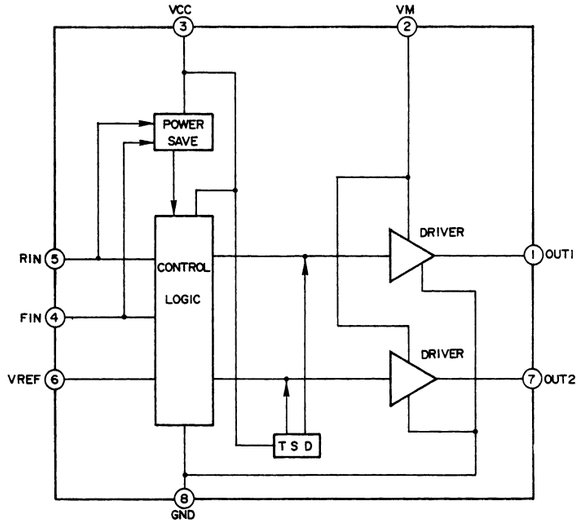


■ IC1 AN8835SBE1 (RJB1817A)

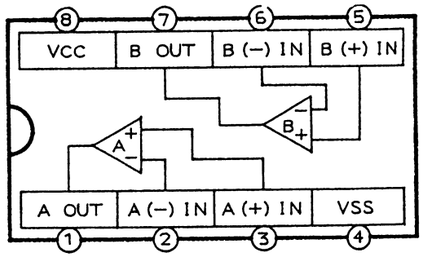


IC BLOCK DIAGRAMS (2)

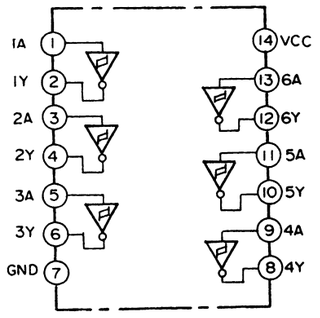
■ IC4, 102 BA6287FT2 (RJB1817A)



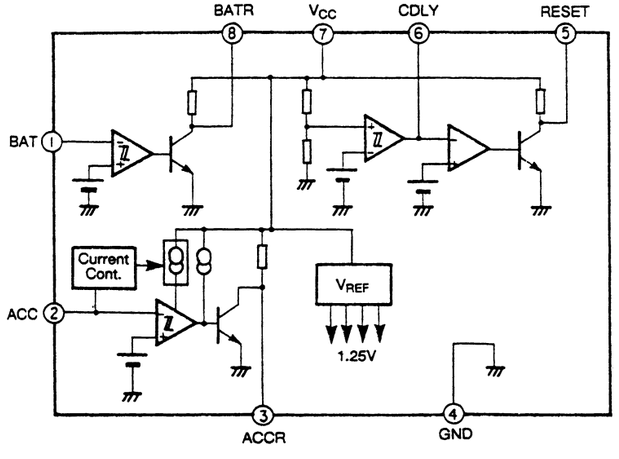
■ IC201 UPC4570G2-T2 (E-8368)



■ IC610 BU4584BFE2 (E-8368)



■ IC602 AN8065SE1 (E-8368)



Replacement Parts List
Models No. CX-DP801EN/DP803EN

NOTE:

1. *Be sure to make your orders of replacement parts according to this list.*
2. Important safety notice : Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item.

   After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availabitity is dependent on the type of assembly, and in accordance with the laws governing part and product retention.
   After the end of this period, the assembly will no longer be available.
5. "A" marks in remarks column are indicated supply parts of Audio Division (AD) in Matsushita Electric Industrial Co., Ltd. (MEI)

Ref. No.	Parts No.	Part Code	Parts Name & Demension	Psc set	Remarks
ICs AND TRANSISTORs					
IC1	AN8835SBE1		IC	1	A
IC2	MN662741RPA		IC	1	A
IC3	BA6896FPE2		IC	1	A
IC4	BA6287FT2		IC	1	A
IC102	BA6287FT2		IC	1	A
IC201	UPC4570G2-T2		IC	1	A
IC600	UPD78053G200		IC	1	A
IC602	AN8065SE1		IC	1	A
IC610	BU4584BFE2		IC	1	A
Q1	2SA1037AKTXR		Transistor	1	A
Q2	DTC114TKT146		Transistor	1	A
Q117	DTA143ZKT146		Transistor	1	A
Q119	DTC114YKT146		Transistor	1	A
Q601	FP1F3P-T1B		Transistor	1	A
Q602	DTC144EKT146		Transistor	1	A
Q610	DTC144EKT146		Transistor	1	A
Q702	2SB956RTX		Transistor	1	A
Q703	FB1F3P-T1B		Transistor	1	A
Q704	2SD2137APQTA		Transistor	1	A
Q705	2SD2137APQTA		Transistor	1	A
Q710	2SD1994ATA		Transistor	1	A

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
DIODEs					
D177	RPI-352		Diode	1	A
D710	RD5R6MB3T1B		Diode	1	A
D711	1SS355TE17		Diode	1	A
D712	1SR154-400TE		Diode	1	A
D713	1SR154-400TE		Diode	1	A
D714	1SS355TE17		Diode	1	A
D715	RD5R6JSB3T1		Diode	1	A
D716	RD8R2JSB3T1		Diode	1	A
D751	1SR154-400TE		Diode	1	A
D752	1SR139400T31		Diode	1	A
CAPACITORs					
C1	RCSX0JX336RE		Tantalium, 33MFD 6.3WV	1	A
C3	ECEA0JKS101I		Electrolytic, 100MFD 6.3WV	1	
C4	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C5	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C6	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C7	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C8	ECUV1H272KBN		Ceramic, 0.0027MFD 50WV	1	A
C9	ECUV1E273KBN		Ceramic, 0.027MFD 25WV	1	A
C10	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C11	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C12	ECUV1H222KBN		Ceramic, 0.0022MFD 50WV	1	A
C13	ECUV1H182KBN		Ceramic, 0.0018MFD 50WV	1	A
C14	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C15	ECUV1E473KBN		Ceramic, 0.047MFD 25WV	1	A
C16	ECUV1E223KBN		Ceramic, 0.022MFD 25WV	1	A

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
C17	ECUV1E273KBN		Ceramic, 0.027MFD 25WV	1	A
C18	ECUV1H471KBN		Ceramic, 470PF 50WV	1	A
C19	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C20	ECUV1E223KBN		Ceramic, 0.022MFD 25WV	1	A
C21	ECUV1C224KBN		Ceramic, 0.22MFD 16WV	1	A
C23	ECUV1H070DCN		Ceramic, 7PF 50WV	1	A
C24	ECUV1H220JCN		Ceramic, 22PF 50WV	1	A
C25	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C26	ECUV1H102KBN		Ceramic, 0.001MFD 50WV	1	A
C27	ECUV1H102KBN		Ceramic, 0.001MFD 50WV	1	A
C28	ECUV1E223KBN		Ceramic, 0.022MFD 25WV	1	A
C29	ECEA0JKA221I		Electrolytic, 220MFD 6.3WV	1	
C30	ECUV1C154KBN		Ceramic, 0.15MFD 16WV	1	A
C31	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C32	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C33	ECEA0JKA221I		Electrolytic, 220MFD 6.3WV	1	
C34	ECUV1H561KBN		Ceramic, 560PF 50WV	1	A
C35	ECEA0JKS101I		Electrolytic, 100MFD 6.3WV	1	
C36	ECEA1AKS221I		Electrolytic, 220MFD 10WV	1	
C37	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C40	ECUV1H472KBN		Ceramic, 0.0047MFD 50WV	1	A
C42	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C45	ECUV1C224KBM		Ceramic, 0.22MFD 16WV	1	A
C47	ECUV1E104KBN		Ceramic, 0.1MFD 25WV	1	A
C102	ECUV1H103KBN		Ceramic, 0.01MFD 50WV	1	A
C103	ECEA1CKA101		Electrolytic, 100MFD 16WV	1	
C119	ECUV1C104KBN		Ceramic, 0.1MFD 25WV	1	A
C120	ECUV1C104KBN		Ceramic, 0.1MFD 25WV	1	A
C177	ECUV1C104KBN		Ceramic, 0.1MFD 25WV	1	A
C201	ECUV1H332KBM		Ceramic, 0.0033MFD 50WV	1	A
C202	ECEA1CKA100I		Electrolytic, 10MFD 16WV	1	
C203	ECEA1AKA470I		Electrolytic, 47MFD 10WV	1	
C204	ECUV1H221JCN		Ceramic, 220PF 50WV	1	A
C205	ECEA1CKA100I		Electrolytic, 10MFD 16WV	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
C206	ECUV1H221JCN		Ceramic, 220PF 50WV	1	A
C207	ECUV1H271KBM		Ceramic, 270PF 50WV	1	A
C301	ECUV1H332KBM		Ceramic, 0.0033MFD 50WV	1	A
C302	ECEA1CKA100I		Electrolytic, 10MFD 16WV	1	
C303	ECEA1AKA470I		Electrolytic, 47MFD 10WV	1	
C304	ECUV1H221JCN		Electrolytic, 220PF 50WV	1	A
C305	ECEA1CKA100I		Electrolytic, 10MFD 16WV	1	
C306	ECUV1H221JCN		Ceramic, 220PF 50WV	1	A
C307	ECUV1H271JCN		Ceramic, 270PF 50WV	1	A
C600	ECUV1C104KBN		Ceramic, 0.1MFD 25WV	1	A
C602	ECEA0JKA331I		Electrolytic, 330MFD 6.3WV	1	
C607	ECUV1C104KBN		Ceramic, 0.1MFD 16WV	1	A
C608	ECUV1C104KBM		Ceramic, 0.1MFD 16WV	1	A
C610	ECUV1H103KBN		Ceramic, 0.01MFD 50WV	1	A
C611	ECEA0JKA101I		Electrolytic, 100MFD 6.3WV	1	
C612	ECUV1C224KBN		Ceramic, 0.22MFD 16WV	1	A
C618	EECS5R5H473		Double Layer, 0.47F 5.5WV	1	A
C620	ECEA1CKA101		Electrolytic, 100MFD 16WV	1	
C627	ECUV1C224KBN		Ceramic, 0.22MFD 16WV	1	A
C628	ECUV1C224KBN		Ceramic, 0.22MFD 16WV	1	A
C629	ECUV1C224KBN		Ceramic, 0.22MFD 16WV	1	A
C630	ECUV1C224KBN		Ceramic, 0.22MFD 16WV	1	A
C705	ECEA1AKA101I		Electrolytic, 100MFD 10WV	1	
C706	ECUV1H103KBN		Ceramic, 0.01MFD 50WV	1	A
C707	ECEA1AKA221I		Electrolytic, 220MFD 10WV	1	
C708	ECEA1AKA101I		Electrolytic, 100MFD 10WV	1	
C709	ECUV1H103KBN		Ceramic, 0.01MFD 50WV	1	A
C710	ECEA1AKA221I		Electrolytic, 220MFD 10WV	1	
C711	ECUV1H103KBN		Ceramic, 0.01MFD 50WV	1	A
C712	ECUV1H103KBN		Ceramic, 0.01MFD 50WV	1	A
C713	ECEA0JKA470I		Electrolytic, 47MFD 6.3WV	1	
C714	ECA1CHG471		Electrolytic, 470MFD 16WV	1	A
C720	ECEA1CKA101		Electrolytic, 100MFD 16WV	1	
C721	ECEA1CKA101		Electrolytic, 100MFD 16WV	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
C722	ECEA1AKA470I		Electrolytic, 47MFD 10WV	1	
C751-753	ECA1CHG471		Electrolytic, 470MFD 16WV	3	A
		RESISTORs			
R1	ERJ6GEYJ4R7		Chip, 4.7 ohms 1/10W	1	
R2	ERJ6GEYJ221		Chip, 220 ohms 1/10W	1	
R3	ERJ6GEYJ150		Chip, 15 ohms 1/10W	1	
R4	ERJ6GEYJ100		Chip, 10 ohms 1/10W	1	
R5	ERJ6GEYJ330		Chip, 33 ohms 1/10W	1	
R6	ERJ6GEYJ224		Chip, 220k ohms 1/10W	1	
R7	ERJ6GEYJ184		Chip, 180k ohms 1/10W	1	
R8	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R9	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R10	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R11	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R12	ERJ6GEYJ393		Chip, 39k ohms 1/10W	1	
R13	ERJ6GEYJ183		Chip, 18k ohms 1/10W	1	
R14	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R15	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R16	ERJ6GEYJ154		Chip, 150k ohms 1/10W	1	
R17	ERJ6GEYJ683		Chip, 68k ohms 1/10W	1	
R18	ERJ6GEYJ471		Chip, 470 ohms 1/10W	1	
R20	ERJ6GEYJ470		Chip, 47 ohms 1/10W	1	
R21	ERJ6GEYJ220		Chip, 22 ohms 1/10W	1	
R22	ERJ6GEYJ220		Chip, 22 ohms 1/10W	1	
R23	ERJ6GEYJ822		Chip, 8.2k ohms 1/10W	1	
R24	ERJ6GEYJ472		Chip, 4.7k ohms 1/10W	1	
R25	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R26	ERJ6GEYJ332		Chip, 3.3k ohms 1/10W	1	
R27	ERJ6GEYJ332		Chip, 3.3k ohms 1/10W	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
R28	ERJ6GEYJ222		Chip, 2.2k ohms 1/10W	1	
R29	ERJ6GEYJ222		Chip, 2.2k ohms 1/10W	1	
R30	ERJ6GEYJ153		Chip, 15k ohms 1/10W	1	
R32	ERJ6GEYJ121		Chip, 120 ohms 1/10W	1	
R33	ERJ6GEYJ330		Chip, 33 ohms 1/10W	1	
R34	ERJ6GEYJ472		Chip, 4.7k ohms 1/10W	1	
R35	ERJ6GEYJ155V		Chip, 1.5M ohms 1/10W	1	
R36	ERJ6GEYJ1R8V		Chip, 1.8 ohms 1/10W	1	A
R37	ERJ6GEYJ331		Chip, 330 ohms 1/10W	1	
R119	ERJ8GEYJ102V		Chip, 1k ohms 1/10W	1	
R120	ERJ8GEYJ102V		Chip, 1k ohms 1/10W	1	
R154	ERJ6GEYJ121		Chip, 120 ohms 1/10W	1	
R158	ERJ6GEYJ121		Chip, 120 ohms 1/10W	1	
R177	ERJ6GEYJ221		Chip, 220 ohms 1/10W	1	
R178	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R179	ERJ6GEYJ151		Chip, 150 ohms 1/10W	1	
R201	ERJ8GEYJ102V		Chip, 1k ohms 1/8W	1	
R202	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R203	ERJ8GEYJ103V		Chip, 10k ohms 1/8W	1	
R204	ERJ6GEYJ223		Chip, 22k ohms 1/10W	1	
R205	ERJ6GEYJ153		Chip, 15k ohms 1/10W	1	
R206	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R207	ERDS2TJ561		Carbon, 560 ohms 1/4W	1	
R301	ERJ8GEYJ102V		Chip, 1k ohms 1/8W	1	
R302	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R303	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R304	ERJ6GEYJ223		Chip, 22k ohms 1/10W	1	
R305	ERJ6GEYJ153		Chip, 15k ohms 1/10W	1	
R306	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R307	ERJ8GEYJ561V		Chip, 560 ohms 1/8W	1	
R600	ERJ6GEYJ433		Chip, 43k ohms 1/10W	1	
R605	ERJ6GEYJ154		Chip, 150k ohms 1/10W	1	
R606	ERJ6GEYJ273		Chip, 27k ohms 1/10W	1	
R608	ERDS2TJ102		Carbon, 1k ohms 1/4W	1	

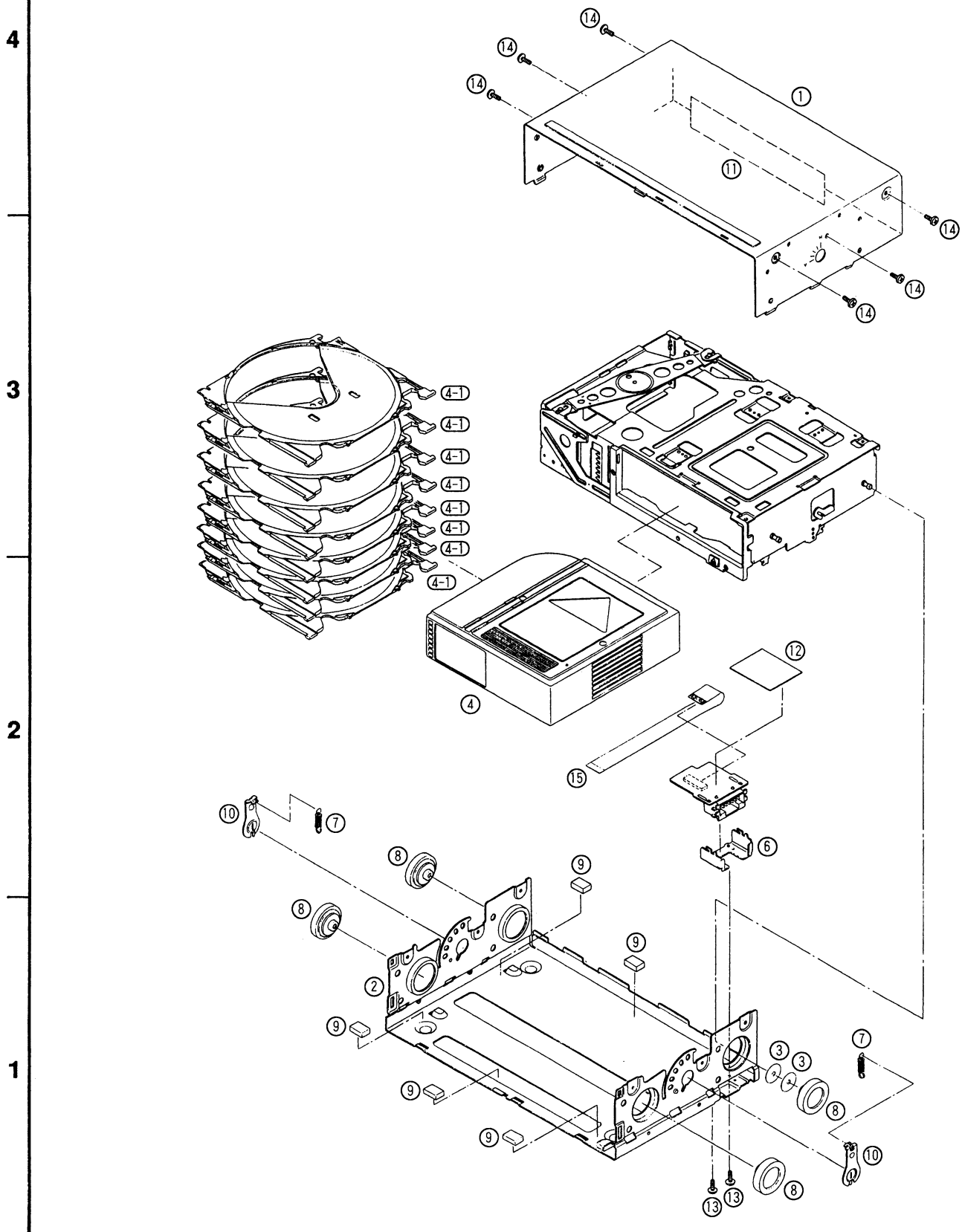
Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
R610	ERJ6GEYJ154		Chip, 150k ohms 1/10W	1	
R611	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R612	ERJ8GEYJ102V		Chip, 1k ohms 1/8W	1	
R613	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R614	ERJ8GEYJ102V		Chip, 1k ohms 1/8W	1	
R617	ERJ6GEYJ100		Chip, 10 ohms 1/10W	1	
R618	ERJ6GEYJ823		Chip, 82k ohms 1/10W	1	
R629	ERJ6GEYJ274		Chip, 270k ohms 1/10W	1	
R630	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R631	ERJ6GEYJ104		Chip, 100k ohms 1/10W	1	
R651	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R652	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R653	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R654	ERJ8GEYJ102V		Chip, 1k ohms 1/8W	1	
R655	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R656	ERJ8GEYJ102V		Chip, 1k ohms 1/8W	1	
R657	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R658	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R659	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R670	ERJ8GEYJ102V		Chip, 1k ohms 1/8W	1	
R671	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R672	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R675	ERDS2TJ473		Carbon, 47k ohms 1/4W	1	
R677	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R679	ERJ8GEYJ473V		Chip, 47k ohms 1/8W	1	
R681	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R683	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R685	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R686	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R687	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R688	ERJ6GEYJ473		Chip, 47k ohms 1/10W	1	
R704	ERJ8GEYJ123V		Chip, 12k ohms 1/8W	1	
R705	ERJ12YJ221H		Chip, 220 ohms 1/2W	1	
R706	ERJ6GEYJ152		Chip, 1.5k ohms 1/10W	1	
R707	ERJ12YJ221H		Chip, 220k ohms 1/2W	1	
R710	ERDS2TJ220		Carbon, 22 ohms 1/4W	1	
R711	ERJ6GEYJ123		Chip, 12k ohms 1/10W	1	
R712	ERJ6GEYJ102		Chip, 1k ohms 1/10W	1	
R720	ERJ6GEYJ820		Chip, 82 ohms 1/10W	1	
R721	ERJ6GEYJ680		Chip, 68 ohms 1/10W	1	
R723	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R726	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R730	ERJ6GEYJ220		Chip, 22 ohms 1/10W	1	
R731	ERJ6GEYJ103		Chip, 10k ohms 1/10W	1	
R732	ERJ6GEYJ220		Chip, 22 ohms 1/10W	1	
RJ631	ERJ8GEYJR47V		Chip, 0.47 ohms 1/8W	1	A
CONNECTORs					
CN1	RJS2A0316T		Connector, 16P	1	A
CN2	RJS2A0320T		Connector, 20P	1	A
CN101	RJT913W16		Connector, 16P	1	A
CN110	RJS1A1413-D		Connector, 13P	1	A
CN201	RJS1A1420-D		Connector, 20P	1	A
CN210	RJP2G17ZA		Connector, 2P	1	A
CN220	RJS1A1413-D		Connector, 13P	1	A
SWITCHes					
SW1	RSP1A004-A		Switch	1	A
SW2	RSP1A004-A		Switch	1	A
SW101	RSP1A021-A		Switch	1	A
SW102	RSP1A004-A		Switch	1	A

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
SW103	RSG0034-A		Switch	1	A
SW104	RSG0034-A		Switch	1	A
	CRYSTALs				
X2	RSXC16M9S01T		Crystal Oscillator	1	A
XL600	RSXY4M91M01T		Ceramic Oscillator	1	A
	COILs				
L600	SLQDNL101JT		Coil	1	A
L701	TLPD003		Coil	1	A
	PRINTING				
	YEFM282766		Operating Instructions	1	

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
	INSTALLATION PARTS				
1, 3	YEP9BS1101		Screw Kit	1	
2	YEFG012448		Base Bracket	2	
4	YEFG05896		Bracket L	1	
5	YEFG05897		Bracket R	1	
6	YEFX9991395		Adhesive Tape	1	
	YEAJ071211		Power Cord	1	
	MISCELLANEOUS				
F1 ⚠	XBB1C30NS1		Fuse, 3A	1	
1 (4-C)	RKM0353-K		Upper Cover	1	A
2 (1-B)	RKS0269-K		Bottom Cover	1	A
3 (1-C)	RMQ0754		Spacer	2	A
4	RYQ0206-K		Magazine Ass'y	1	
4-1	RMR1087-K		Magazine Tray, 12cm	8	A
6	RMA1097		Bracket	1	A
7 (2-A)(1-C)	RMB0526		Spring	2	A
8	RMG0462-K		Insulator	4	A
9	RMG0473-K		Rubber Cushion	5	A
10 (2-A)(1-C)	RML0493		Bracket	2	A
11 (4-C)	RMX0136		Spacer	1	A
12 (2-C)	RMZ0437		Insulator	1	A
13	RMQ0769		Screw, M26 x 5	2	A
14	RMQ0767		Screw, M3 x 5	6	A
15 (2-B)	REE0789		Flexible PCB, 13P	1	A
	YEFC025482A		Escutcheon Ass'y	1	CX-DP801EN
	YEFC025533A		Escutcheon Ass'y	1	CX-DP803EN

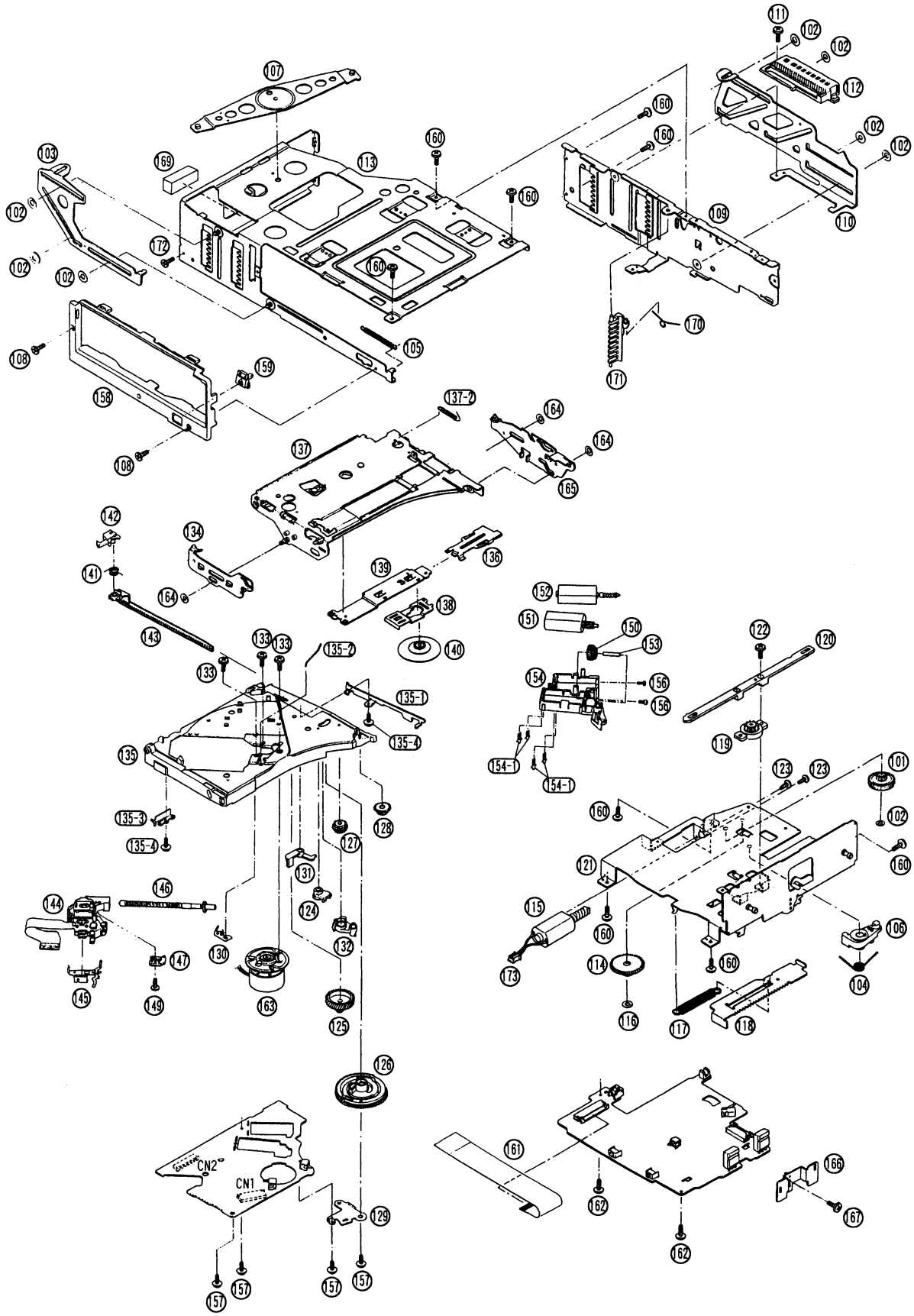
EXPLODED VIEW (CD PLAYER PARTS) / AUFGELÖSTE DARSTELLUNGS (CD TONBAND GERÄT)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



EXPLODED VIEW (CD PLAYER PARTS)
/ AUFGELÖSTE DARSTELLUNGS (CD TONBAND GERÄT)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



CD PLAYER PARTS

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
101 (2-F)	RDG0400		Whorl Wheel	1	A
102	RHW27003		Washer	8	A
103 (4-D)	RMA1065		Lift Slider F	1	A
104 (2-F)	RMB0523		Spring	1	A
105 (3-E)	RMB0531		Spring	1	A
106 (2-F)	RML0488		Magazine Lock Lever	1	A
107 (4-D)	RMM0182		Connecting Rod	1	A
108	RMQ0723		Screw, M2 x 3	2	A
109 (4-F)	RXA0168		Rear Frame	1	A
110 (4-F)	RMA1066		Lift Slider R	1	A
111	RMQ0723		Screw	1	A
112 (4-F)	RMR1086-K		Driving Rack of Slider	1	A
113 (4-E)	RXK0258		Main Frame Ass'y	1	A
114 (2-E)	RDG0401		Gear	1	A
115 (2-E)	REM0081		Motor Ass'y	1	A
116 (1-E)	RHW21022		Washer	1	A
117 (1-F)	RMB0525		Spring	1	A
118 (1-F)	RML0489		Eject Lever	1	A
119 (2-F)	RMQ0722		Gear	1	A
120 (2-F)	RMR1084-K		Guide Rail	1	A
121 (2-F)	RXK0233		Magazin Base Ass'y	1	A
122	XTB2+8F		Screw	1	A
123	XYN2+C3		Screw	2	A
124 (2-E)	RDG0393		Gear	1	A
125 (2-E)	RDG0395		Worm Gear	1	A
126 (2-E)	RDG0396		Main Gear	1	A
127 (2-E)	RDG0397		Transfer Gear	1	A
128 (2-E)	RDG0398		Gear	1	A
129 (1-E)	RMA1063		Gear Retainer	1	A
130 (2-D)	RMC0295		Retainer	1	A
131 (2-D)	RML0484		Switch Lever	1	A
132 (2-E)	RML0485		Arm	1	A
133	RMQ0461		Screw, M17 x 2.5	3	A
134 (3-D)	RXA0164		Control Slider F	1	A
135 (2-D)	RXK0235		Traverse Chassis Ass'y	1	A
135-1 (2-E)	RMA1075		Rack Guide	1	A
135-2 (2-E)	RMB0556		Spring	1	A
135-3 (2-D)	RMC0331		Spring	1	A
135-4	XTW2+6S		Screw, M2 x 6	2	
136 (3-E)	RMC0332		Clamper Lifter	1	A
137 (3-E)	RXK0236		Upper Chassis Ass'y	1	A
137-1 (3-D)	RMC0345		Tray Retainer	1	A
137-2 (3-E)	RMB0542		Spring	1	A
138 (3-E)	RMA1062		Clamper Retainer	1	A
139 (3-E)	RML0487		Clamper Arm	1	A
140 (2-E)	RMR1083-K		Clamper	1	A
141 (3-D)	RMB0522		Spring	1	A
142 (3-D)	RML0486		Tray Nail	1	A
143 (3-D)	RMM0181		Rack	1	A
144 (2-D)	RAF0140A		Optical Pick-up	1	A
145 (2-D)	RMC0294		Retainer	1	A
146 (2-D)	RXJ0019		Driving Shaft	1	A
147 (2-D)	RXQ0474		Board Nut	1	A
149 (2-D)	XQN17+BG45		Screw, M17 x 4.5	1	A
150 (2-E)	RDG0391		Gear	1	A
151 (3-E)	REM0074		Traverse Motor Ass'y	1	A
152 (3-E)	REM0075		Loding Motor Ass'y	1	A
153 (2-E)	RMS0586		Gear Shaft	1	A
154 (2-E)	RXQ0537		Motor Cover	1	A
154-1 (2-E)	RMA0921		Terminal Board	4	A
156	XYN2+C4		Screw, M2 x 4	2	A
157	XTW2+6S		Screw, M2 x 6	4	
158 (3-D)	RGQ0212-K		Front Ornament	1	A
159 (3-D)	RGU1549-G		Eject Button	1	A
160	XQN2+AM3		Screw, M2 x 3	9	A
161 (1-E)	REE0787		Flexible PCB 20P	1	A

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
162 (1-E)(1-F)	XYC2+FF5		Screw, M2 x 5	2	A
163 (2-D)	REM0079		Spindle Motor	1	A
164	RHW32015		Washer	3	A
165 (3-E)	RMA1061		Control Slider R	1	A
166 (1-F)	RMA1067		Heat Sink Bracket	1	A
167	XTW2+4L		Screw, M2 x 4	1	A
169 (4-D)	RMG0474-K		Pad	1	A
170 (3-F)	RMB0524		Spring	1	A
171 (3-E)	RMR1085-K		Tray Rack	1	A
172	XQN2+AM3		Screw	1	A
173 (2-E)	REE0784		Lead	1	A

ORDER NO. ACED9712491
C4

Service Manual

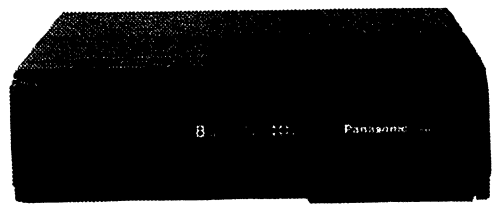
AUTOMOTIVE CONSUMER ELECTRONICS

COMPACT disc DIGITAL AUDIO

CX-DP801EUC
CX-DP801EN/DP803EN

Supplement

8-Disc CD Changer



Please file and use this manual together with the Service Manuals for model CX-DP801EUC (order No.ACED9707485) or models CX-DP801EN/DP803EN (order No. ACED9708147).

Correction of Service Manuals order No.ACED9707485 and No.ACED9708147.

Added : The Escutheon Ass'y is added to exploded view, as shown in this service manual.

●Repalcement Parts List (MISCELLANEOUS)

Ref. No.	Parts No.	Part Code	Parts Name & Description	Psc set	Remarks
17 (4-A)	YEFC025482A		Escutcheon Ass'y	1	CX-DP801EUC
17 (4-A)	YEFC025482A		Escutcheon Ass'y	1	CX-DP801EN
17 (4-A)	YEFC025533A		Escutcheon Ass'y	1	CX-DP803EN

⚠WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the products dealt with in this service information by anyone else could result in serious injury or death.

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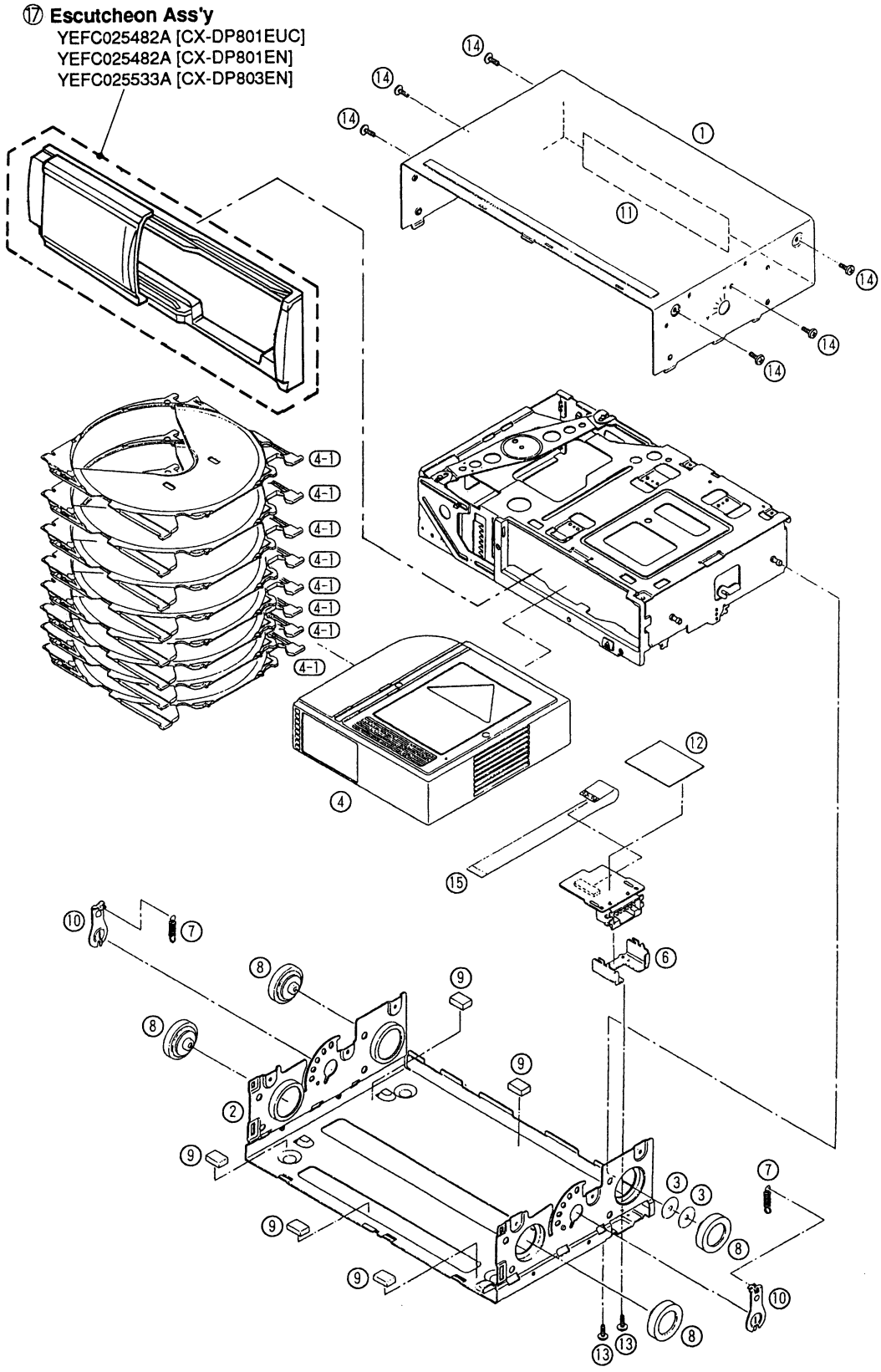
EXPLODED VIEW (UNIT)

■Numbers in ○ are indicated REF. No. in the REPLACEMENT PARTS LIST



U-213
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1997.12

ORDER NO. ACED9712492
C4

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

Supplement

105360 1030052

8-Disc CD Changer

Additional Service Information

Subject : How to take out the disc and magazine

Applicable Models : CX-DP801EUC
CX-DP801EN
CX-DP803EN

Please file and use this manual together with the service manual for the above models.

⚠ WARNING

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Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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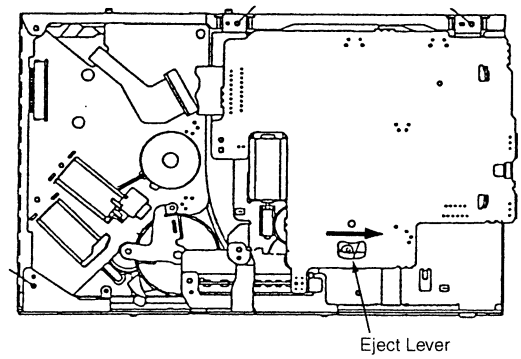
• When the CD and magazine is stuck inside the mechanism, please take out them as following procedure.

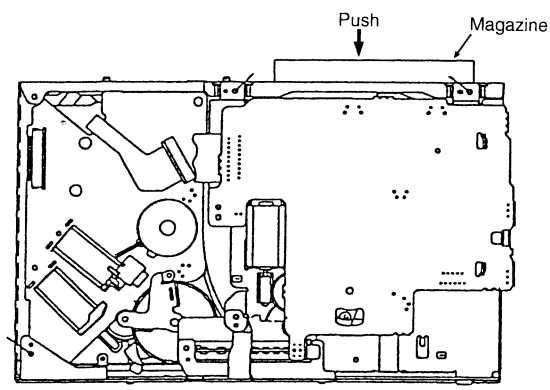
< In case of tray is storage completely >

1) Push the eject lever with finger in the arrow marked direction.



< In case of tray is not storage completely >

1) Check that the magazine is locked properly. And if it is not locked, press the magazine and lock it. (fig.1)
2) Turn the elevator motor worm gear with the finger in the arrow direction, and set the protrusion of traverse block to center of comb tooth of main frame. (fig.2,3)
3) Apply power supply +4V to both end of loading motor terminals as shown below figure, and store the tray to the magazine completely. (fig.4)
4) Push the eject lever with finger in the arrow marked direction. (see above figure)



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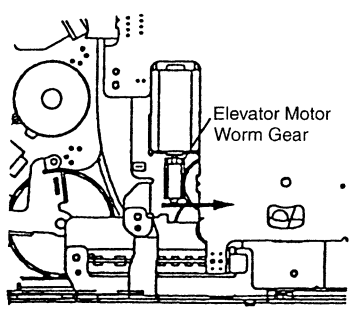

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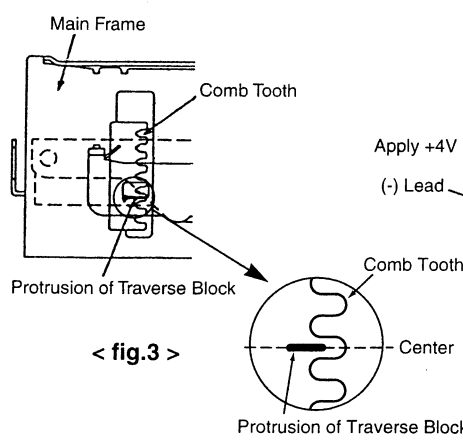
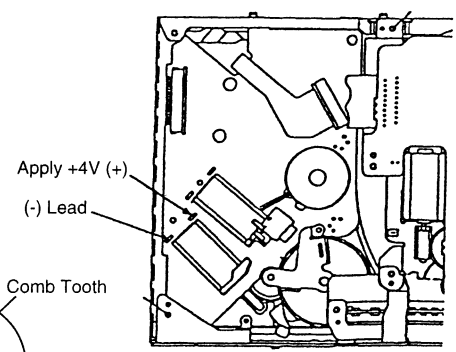


< fig.3 >



< fig.4 >

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C4

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

Supplement SPL3 - CXDP801

10536 & 10300S2

8-Disc CD Changer

Additional Service Information

Subject : Precautions on Assembling

Applicable Models : CX-DP801EUC
CX-DP801EN
CX-DP803EN

Please file and use this manual together with the service manual for the above models.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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Precautions on Assembling

[Precautions on Traverse Block]

(1) Position alignment of the main gear

a) Move the flexible rack to the leftmost position. (The tray Claw turns clockwise.)
b) Mount the rack-fixing gear by turning it fully counterclockwise.
c) Mount the switch lever by turning it fully counterclockwise.
d) Mount the swing arm by turning it fully clockwise.
e) When mounting the main gear, align the positions of the traverse PCB hole and of the main gear hole.

(2) Mounting the spindle motor

a) Mount the spindle motor in a manner that the motor lead wires may be pulled out as illustrated.
b) Solder the lead wires as follows:
Black lead — SP B
Red lead — SP R

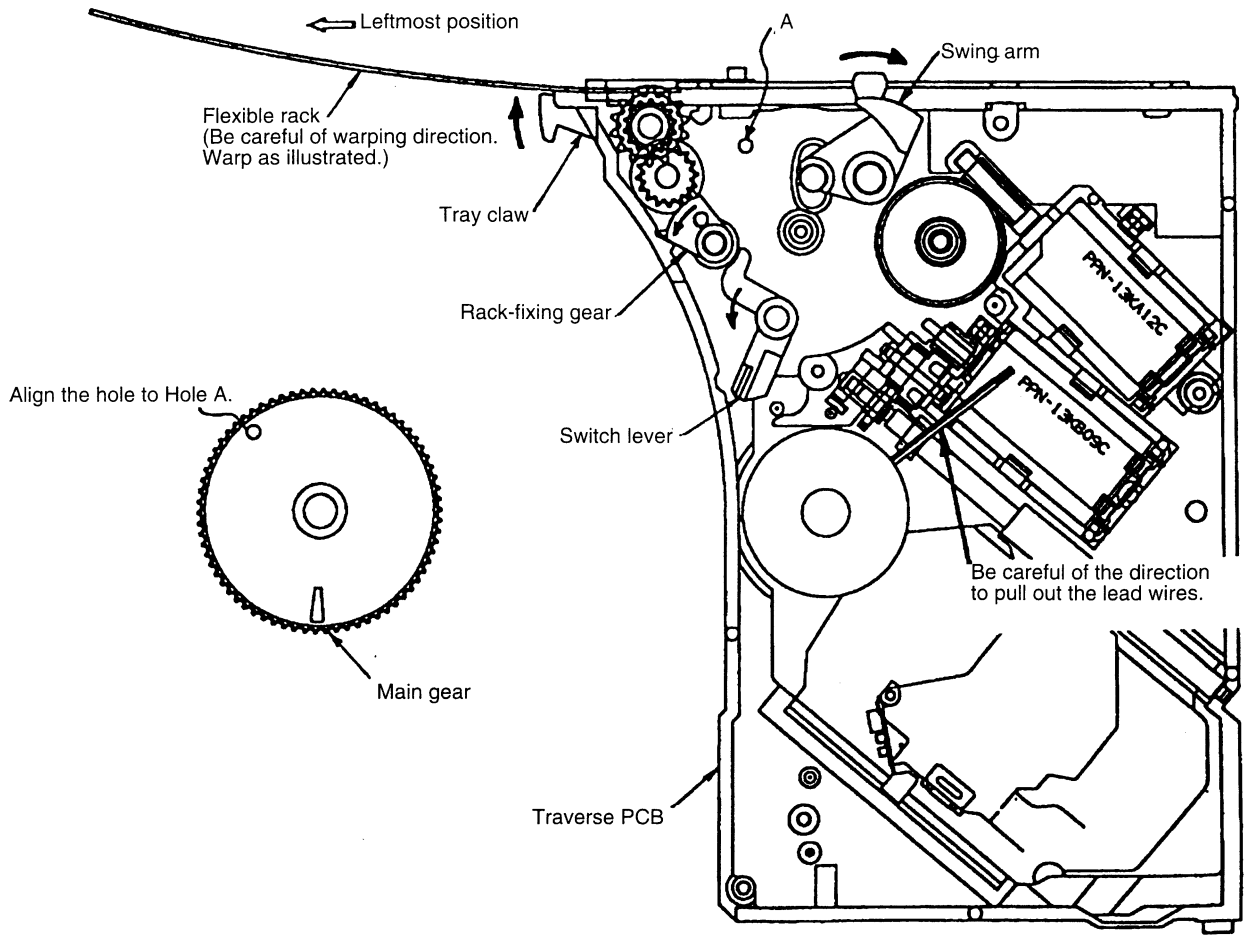
(3) Precautions on mounting of the servo PCB

a) Be careful not to allow the two switches to come over the switch lever and the optical pickup when mounting the servo PCB. (Move the optical pickup outwards before mounting the PCB.)

(4) Check point

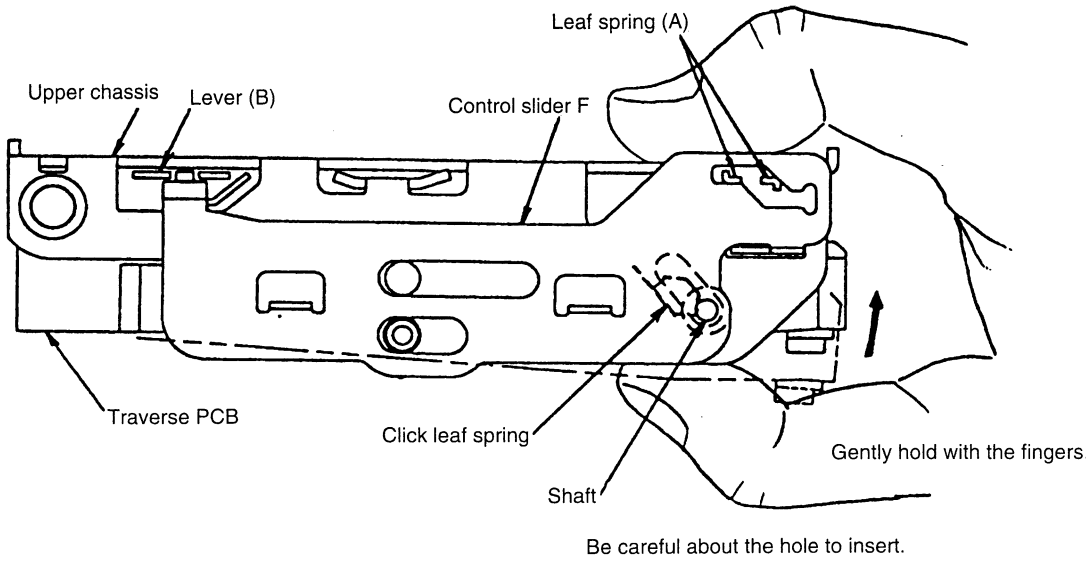
a) Protect the optical pickup from electrostatic breaking (by using a grounding band or a grounding pin).

Note: Warp the flexible rack slightly outward as illustrated. (After assembling it, confirm that the rack is in close contact with the rear frame.)



(5) Mounting the control slider F

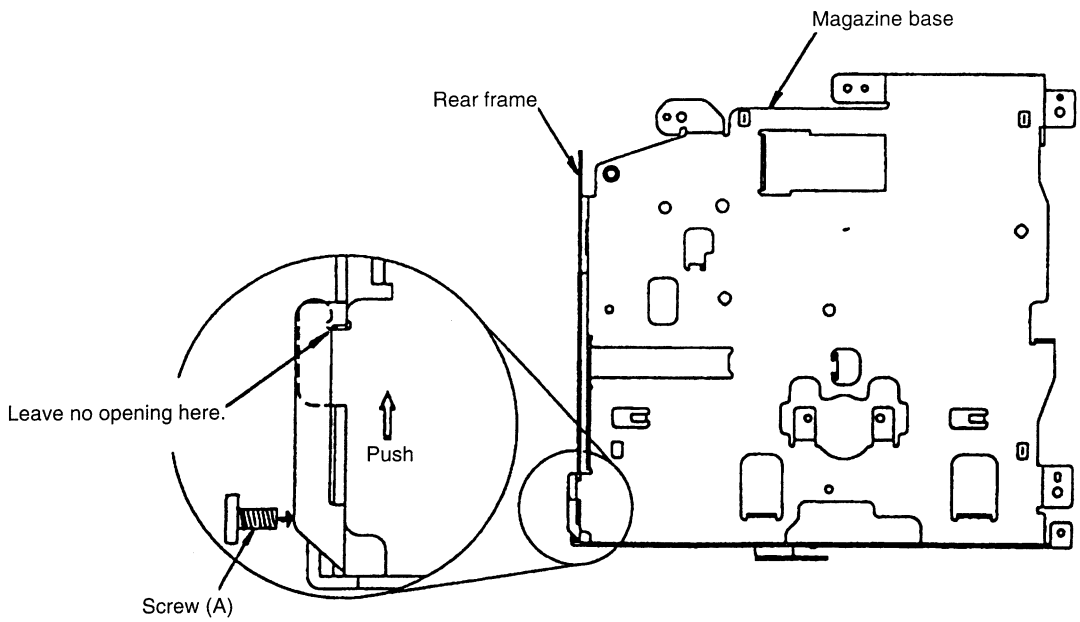
a) Be sure to mount the control slider F prior to mounting the control slider R.
b) Gently press the control slider F with the fingers as shown in the drawing to put the traverse PCB close to the upper chassis, and insert the shaft under the click leaf spring.
c) Correctly couple the leaf spring (A) with the lever (B).



[Precautions on the frame block]

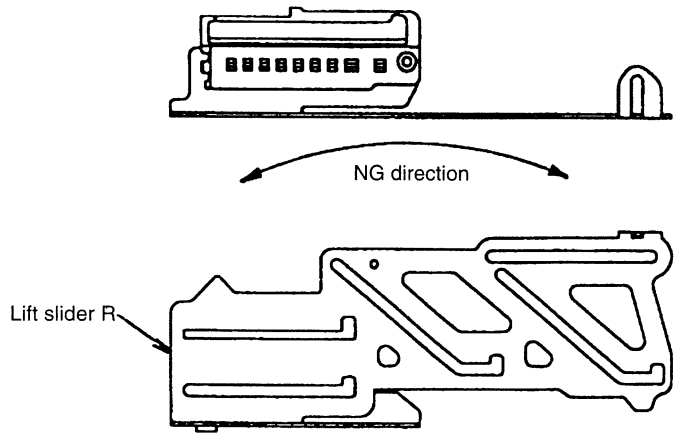
(1) Assembling the magazine base and the rear frame

a) Tighten the screw (A) to eliminate any opening as noted in the drawing below.

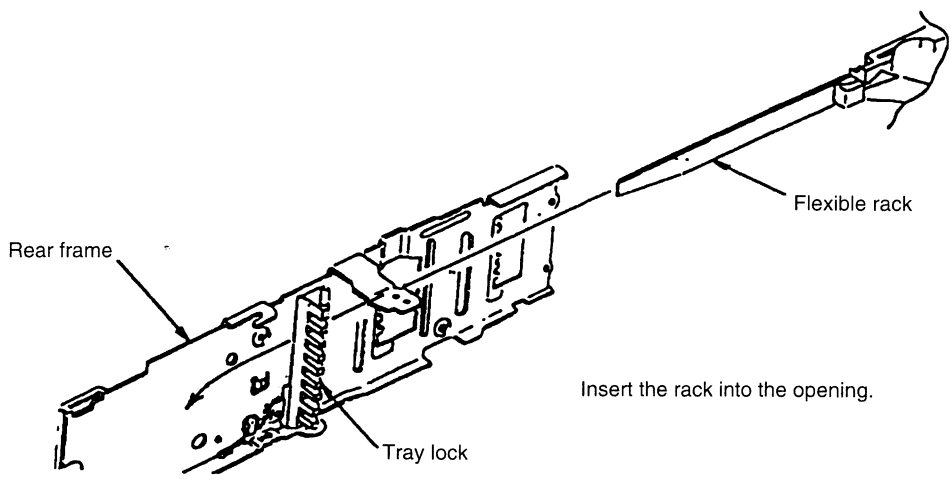


(2) Check point

a) Check that the lift slider R is not warped in the illustrated direction (NG direction).



b) Insert the flexible rack between the rear frame and the tray lock.



c) Do not allow the spring to push the magazine inject lever while the rotary damper is not fixed. (The lever may be deformed as a result of collision.)

d) Confirm that the insulator (rubber damper) has been inserted in position. (A few drips of industrial alcohol may help insert it with much ease.)

e) Be careful not to allow the three switches to come on the levers when assembling the main PCB.

f) Do not allow the eject button to come on the eject switch.

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C4

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

Supplement

CD Parts Supplier Change

1. CD changer or player parts, which Audio Division(AD or MESA) have supplied so far, are partially transferred to Video System Division(VSD).
   - "V" marks at remarks column show VSD's parts.
   - "A" marks at remarks column show AD's parts(or MESA).
   - Whole parts are exactly same as current.
   - List C, D and E are only shown of CD deck parts. The other parts lists in original service manuals are still useful.
   - CD changer part, p/n 2SD2137APQ ref./n Q704 and Q705, is exactly same as p/n 2SD2137APQTA on original seavice manuals.
   - P/n 2SD1994A is also exactly same as 2SD1994ATA, ref./n Q710 on original service manuals.

2. Some of '98 models change CD deck to List E with serial number after 600,001.
   - Exploded view, wiring diagram and schematic diagram for new CD deck, or list E, are attached with this supplementary at the last pages.
   - The new deck is also mounted on CQ-DP965EUC and CQ-DP975EUC from first lot of products.

3. Original Service Manuals Correction (Misprint)
   Models : CQ-DFX555/355LEN, CQ-DP965EUC, CQ-DP975/DFX85EUC
   Ref. No. : CN2, Part Name : Connector
   Old Part Number : RJS2A0614T ----> New Part Number : RJS1A7114T

Prease file and use this manual together with the sevice manual for the following models at next page.

⚠WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced proffesional technicians. Any attempt to service or repair the product or producs dealt with in this service information by anyone else could result in serious injury or death.

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4. Wiring Diagram (CD servo block) for the List E 14
5. Schematic Diagram (CD servo block) for the List E 15

1. Model Number List

Model Number	Serial Number	Original Service Manual	Parts List
CQ-DFX355LEN	All	ACED9803159	See List E
CQ-DFX555LEN	All	ACED9803159	See List E
CQ-DFX85EUC	All	ACED9803503	See List E
CQ-DP400EU	All	ACED9608471	See List D
CQ-DP620AEUC	All	ACED9509443	See List D
CQ-DP700LEE	All	ACED9608471	See List D
CQ-DP710EUC	All	ACED9608471	See List D
CQ-DP720EUC	All	ACED9608471	See List D
CQ-DP800LEE	All	ACED9709152	See List D
CQ-DP830EUC	All	ACED9703477	See List D
CQ-DP835EW	All	ACED9708150	See List D
CQ-DP850EUC	All	ACED9703477	See List D
CQ-DP875EUC	All	ACED9703477	See List D
CQ-DP875EW	All	ACED9708150	See List D
CQ-DP930EUC	up to 600,000	ACED9712493	See List D
CQ-DP930EUC	after 600,001	ACED9712493	See List E
CQ-DP940EUC	up to 600,000	ACED9712493	See List D
CQ-DP940EUC	after 600,001	ACED9712493	See List E
CQ-DP965EUC	All	ACED9803504	See List E
CQ-DP975EUC	All	ACED9803503	See List E
CQ-DPG500EUC	All	ACED9707484	See List C
CQ-DPG550EUC	All	ACED9707484	See List C
CQ-DPG570EUC	All	ACED9802499	See List C
CQ-DPG590EUC	All	ACED9802499	See List C
CQ-DPG605EUC	All	ACED9804509	See List C
CQ-DPG655EUC	All	ACED9804509	See List C
CQ-DPX30EUC	All	ACED9706482	See List D
CQ-DPX40EUC	up to 600,000	ACED9801494	See List D
CQ-DPX40EUC	after 600,001	ACED9801494	See List E
CQ-DPX50EUC	All	ACED9706482	See List D
CQ-DPX60EUC	up to 600,000	ACED9801494	See List D
CQ-DPX60EUC	after 600,001	ACED9801494	See List E
CQ-RDP400LEN	All	ACED9506099	See List D
CQ-RDP500LEN	All	ACED9407075	See List D
CQ-RDP650LEN	All	ACED9407075	See List D
CQ-RDP710EN	All	ACED9608471	See List D
CQ-RDP720LEN	All	ACED9608471	See List D
CX-DP801EN	All	ACED9708147	See List A
CX-DP801EUC	All	ACED9707485	See List B
CX-DP803EN	All	ACED9708147	See List A

2. Service Parts Lists

Note:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "A" marks in remarks column are indicated supply parts of Audio Division(AD) in Matsushita Electric Industrial Co., Ltd.(MEI)
6. "V" marks in remarks column are indicated supply parts of Video System Division(VSD) in Matsushita Electric Industrial Co., Ltd.(MEI)

2.1. List A [8-disc CD Changer]

ICs and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC1	AN8835SBE1	IC	V
IC2	MN662741RPA	IC	V
IC3	BA6896FPE2	IC	V
IC4	BA6287FT2	IC	V
IC102	BA6287FT2	IC	V
IC201	UPC4570G2-T2	IC	V
IC600	UPD78053G200	IC	V
IC602	AN8065SE1	IC	V
IC610	BU4584BFE2	IC	V
Q1	2SA1037AKTXR	Transistor	V
Q2	DTC114TKT146	Transistor	V
Q117	DTA143ZKT146	Transistor	A
Q119	DTC114YKT146	Transistor	V
Q601	FP1F3P-T1B	Transistor	A
Q602	DTC144EKT146	Transistor	V
Q610	DTC144EKT146	Transistor	V
Q702	2SB956RTX	Transistor	V
Q703	FB1F3P-T1B	Transistor	V
Q704	2SD2137APQ	Transistor	V
Q705	2SD2137APQ	Transistor	V
Q710	2SD1994A	Transistor	V

Diodes

Ref. No.	Part No.	Part Name & Description	Remarks
D177	RPI-352	Diode	V
D710	RD5R6MB3T1B	Diode	V
D711	1SS355TE17	Diode	V
D712	1SR154-400TE	Diode	V
D713	1SR154-400TE	Diode	V
D714	1SS355TE17	Diode	V
D715	RD5R6JSB3T1	Diode	V
D716	RD8R2JSB3T1	Diode	V
D751	1SR154-400TE	Diode	V
D752	1SR139400T31	Diode	V

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C1	RCSX0JX336RE	Tantalum, 33µF 6.3WV	V
C3	ECEA0JKS101I	Electrolytic, 100µF 6.3WV	
C4	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C5	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C6	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C7	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C8	ECUV1H272KBN	Ceramic, 0.0027µF 50WV	V
C9	ECUV1E273KBN	Ceramic, 0.027µF 25WV	V
C10	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C11	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C12	ECUV1H222KBN	Ceramic, 0.0022µF 50WV	V
C13	ECUV1H182KBN	Ceramic, 0.0018µF 50WV	V
C14	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C15	ECUV1E473KBN	Ceramic, 0.047µF 25WV	V
C16	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C17	ECUV1E273KBN	Ceramic, 0.027µF 25WV	V
C18	ECUV1H471KBN	Ceramic, 470PF 50WV	V
C19	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C20	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C21	ECUV1C224KBN	Ceramic, 0.22µF 16WV	V
C23	ECUV1H070DCN	Ceramic, 7PF 50WV	V
C24	ECUV1H220JCN	Ceramic, 22PF 50WV	V
C25	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C26	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C27	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C28	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C29	ECEA0JKA221I	Electrolytic, 220µF 6.3WV	
C30	ECUV1C154KBN	Ceramic, 0.15µF 16WV	V
C31	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C32	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C33	ECEA0JKA221I	Electrolytic, 220µF 6.3WV	
C34	ECUV1H561KBN	Ceramic, 560PF 50WV	V
C35	ECEA0JKS101I	Electrolytic, 100µF 6.3WV	
C36	ECEA1AKS221I	Electrolytic, 220µF 10WV	
C37	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C40	ECUV1H472KBN	Ceramic, 0.0047µF 50WV	V
C42	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C45	ECUV1C224KBM	Ceramic, 0.22µF 16WV	V
C47	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C102	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C103	ECEA1CKA101	Electrolytic, 100µF 16WV	
C119	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C120	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C177	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C201	ECUV1H332KBM	Ceramic, 0.0033µF 50WV	V
C202	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C203	ECEA1AKA470I	Electrolytic, 47µF 10WV	
C204	ECUV1H221JCN	Ceramic, 220PF 50WV	V
C205	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C206	ECUV1H221JCN	Ceramic, 220PF 50WV	V
C207	ECUV1H271KBM	Ceramic, 270PF 50WV	V
C301	ECUV1H332KBM	Ceramic, 0.0033µF 50WV	V
C302	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C303	ECEA1AKA470I	Electrolytic, 47µF 10WV	
C304	ECUV1H221JCN	Electrolytic, 220PF 50WV	V
C305	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C306	ECUV1H221JCN	Ceramic, 220PF 50WV	V
C307	ECUV1H271JCN	Ceramic, 270PF 50WV	V
C600	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C602	ECEA0JKA331I	Electrolytic, 330µF 6.3WV	
C607	ECUV1C104KBN	Ceramic, 0.1µF 16WV	V
C608	ECUV1C104KBM	Ceramic, 0.1µF 16WV	A
C610	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C611	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C612	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C618	EECS5R5H473	Double Layer, 0.47F 5.5WV	V
C620	ECEA1CKA101	Electrolytic, 100µF 16WV	
C627	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C628	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A

Ref. No.	Part No.	Part Name & Description	Remarks
C629	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C630	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C705	ECEA1AKA101I	Electrolytic, 100µF 10WV	
C706	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C707	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C708	ECEA1AKA101I	Electrolytic, 100µF 10WV	
C709	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C710	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C711	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C712	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C713	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C714	ECA1CHG471	Electrolytic, 470µF 16WV	V
C720	ECEA1CKA101	Electrolytic, 100µF 16WV	
C721	ECEA1CKA101	Electrolytic, 100µF 16WV	
C722	ECEA1AKA470I	Electrolytic, 47µF 10WV	
C751	ECA1CHG471	Electrolytic, 470µF 16WV	V
C752	ECA1CHG471	Electrolytic, 470µF 16WV	V
C753	ECA1CHG471	Electrolytic, 470µF 16WV	V

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
R1	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
R2	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R3	ERJ6GEYJ150	Chip, 15Ω 1/10W	
R4	ERJ6GEYJ100	Chip, 10Ω 1/10W	
R5	ERJ6GEYJ330	Chip, 33Ω 1/10W	
R6	ERJ6GEYJ224	Chip, 220kΩ 1/10W	
R7	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R8	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R9	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R10	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R11	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R12	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R13	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R14	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R15	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R16	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R17	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R18	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R20	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R21	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R22	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R23	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R24	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R25	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R26	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R27	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R28	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R29	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R30	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R32	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R33	ERJ6GEYJ330	Chip, 33Ω 1/10W	
R34	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R35	ERJ6GEYJ155V	Chip, 1.5MΩ 1/10W	
R36	ERJ6GEYJ1R8V	Chip, 1.8Ω 1/10W	V
R37	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R119	ERJ8GEYJ102V	Chip, 1kΩ 1/10W	
R120	ERJ8GEYJ102V	Chip, 1kΩ 1/10W	
R154	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R158	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R177	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R178	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R179	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R201	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R202	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R203	ERJ8GEYJ103V	Chip, 10kΩ 1/8W	
R204	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R205	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R206	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R207	ERDS2TJ561	Carbon, 560Ω 1/4W	
R301	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R302	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R303	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R304	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R305	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R306	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R307	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R600	ERJ6GEYJ433	Chip, 43kΩ 1/10W	
R605	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R606	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R608	ERDS2TJ102	Carbon, 1kΩ 1/4W	
R610	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R611	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R612	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R613	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R614	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R617	ERJ6GEYJ100	Chip, 10Ω 1/10W	
R618	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R629	ERJ6GEYJ274	Chip, 270kΩ 1/10W	
R630	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R631	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R651	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R652	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R653	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R654	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R655	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R656	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R657	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R658	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R659	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R670	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R671	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R672	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R675	ERDS2TJ473	Carbon, 47kΩ 1/4W	
R677	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R679	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R681	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R683	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R685	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R686	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R687	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R688	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R704	ERJ8GEYJ123V	Chip, 12kΩ 1/8W	
R705	ERJ12YJ221H	Chip, 220Ω 1/2W	
R706	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R707	ERJ12YJ221H	Chip, 220kΩ 1/2W	
R710	ERDS2TJ220	Carbon, 22Ω 1/4W	
R711	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R712	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R720	ERJ6GEYJ820	Chip, 82Ω 1/10W	
R721	ERJ6GEYJ680	Chip, 68Ω 1/10W	
R723	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R726	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R730	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R731	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R732	ERJ6GEYJ220	Chip, 22Ω 1/10W	
RJ631	ERJ8GEYJR47V	Chip, 0.47Ω 1/8W	V

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	RJS2A0316T	Connector,16P	V
CN2	RJS2A0320T	Connector,20P	V
CN101	RJT913W16	Connector,16P	V
CN110	RJS1A1413-D	Connector,13P	V
CN201	RJS1A1420-D	Connector,20P	A
CN210	RJP2G17ZA	Connector,2P	V
CN220	RJS1A1413-D	Connector,13P	V

Switches

Ref. No.	Part No.	Part Name & Description	Remarks
S1	RSP1A004-A	Switch	V
S1	RSP1A021-A	Switch	V
S2	RSP1A004-A	Switch	V

Ref. No.	Part No.	Part Name & Description	Remarks
S2	RSP1A004-A	Switch	V
S3	RSG0034-A	Switch	V
S4	RSG0034-A	Switch	V

Oscillators

Ref. No.	Part No.	Part Name & Description	Remarks
X2	RSXC16M9S01T	Crystal Oscillator	V
XL600	RSXY4M91M01T	Ceramic Oscillator	V

Coils

Ref. No.	Part No.	Part Name & Description	Remarks
L600	SLQDNL101JT	Coil	V
L701	TLPD003	Coil	V

Printing

Ref. No.	Part No.	Part Name & Description	Remarks
	YEFM282766	Operating Instructions	

Installation Parts

Ref. No.	Part No.	Part Name & Description	Remarks
	YEAJ071211	Power Cord	
	YEP9BS1101	Screw Kit	
	YEFG012448	Base Bracket	
	YEFG05896	Bracket L	
	YEFG05897	Bracket R	
	YEFX9991395	Adhesive Tape	

Miscellaneous

Ref. No.	Part No.	Part Name & Description	Remarks
F1(⚠)	XBB1C30NS1	Fuse, 3A	
1	RKM0353-K	Upper Cover	V,(4-C)
2	RKS0269-K	Bottom Cover	V,(1-B)
3	RMQ0754	Spacer	V,(1-C)
4	RYQ0206-K	Magazine Ass'y	
4-1	RMR1087-K	Magazine Tray, 12cm	V
6	RMA1097	Bracket	V
7	RMB0526	Spring	V,(2-A) (1-C)
8	RMG0462-K	Insulator	V
9	RMG0473-K	Rubber Cushion	V
10	RML0493	Bracket	V,(2-A) (1-C)
11	RMX0136	Spacer	A,(4-C)
12	RMZ0437	Insulator	V,(2-C)
13	RMQ0769	Screw, M26 x 5	V
14	RMQ0767	Screw, M3 x 5	A
15	REE0789	Flexible PCB,13P	V,(2-B)
16		Escutcheon Ass'y	
	YEFC025482A	(CX-DP801EN)	
	YEFC025533A	(CX-DP803EN)	

CD Player Parts

Ref. No.	Part No.	Part Name & Description	Remarks
101	RDG0400	Worm Wheel	V,(2-F)
102	RHW27003	Washer	V
103	RMA1065	Lift Slider F	V,(4-D)
104	RMB0523	Spring	V,(2-F)
105	RMB0531	Spring	V,(3-E)
106	RML0488	Magazine Lock Lever	V,(2-F)
107	RMM0182	Connecting Rod	V,(4-D)
108	RMQ0723	Screw, M2 x 3	V
109	RXA0168	Rear Frame	V,(4-F)
110	RMA1066	Lift Slider R	V,(4-F)
111	RMQ0723	Screw	V
112	RMR1086-K	Driving Rack of Slider	V,(4-F)
113	RXK0258	Main Frame Ass'y	V,(4-E)
114	RDG0401	Gear	V,(2-E)
115	REM0081	Motor Ass'y	V,(2-E)
116	RHW21022	Washer	V,(1-E)
117	RMB0525	Spring	V,(1-F)
118	RML0489	Eject Lever	V,(1-F)
119	RMQ0722	Gear	V,(2-F)
120	RMR1084-K	Guide Rail	V,(2-F)
121	RXK0233	Magazine Base Ass'y	V,(2-F)
122	XTB2+8F	Screw	V
123	XYN2+C3	Screw	V
124	RDG0393	Gear	V,(2-E)
125	RDG0395	Worm Gear	V,(2-E)
126	RDG0396	Main Gear	V,(2-E)
127	RDG0397	Transfer Gear	V,(2-E)
128	RDG0398	Gear	V,(2-E)
129	RMA1063	Gear Retainer	V,(1-E)
130	RMC0295	Retainer	V,(2-D)
131	RML0484	Switch Lever	V,(2-D)
132	RML0485	Arm	V,(2-E)
133	RMQ0461	Screw, M17 x 2.5	V
134	RXA0164	Control Slider F	V,(3-D)
135	RXK0235	Traverse Chassis Ass'y	V,(2-D)
135-1	RMA1075	Rack Guide	V,(2-E)
135-2	RMB0556	Spring	V,(2-E)
135-3	RMC0331	Spring	V,(2-D)
135-4	XTW2+6S	Screw, M2 x 6	
136	RMC0332	Clamper Lifter	V,(3-E)
136-1	RXK0236	Upper Chassis Ass'y	V,(3-E)
137-2	RMB0542	Spring	V,(3-E)
138	RMA1062	Clamper Retainer	V,(3-E)
139	RML0487	Clamper Arm	V,(3-E)
140	RMR1083-K	Clamper	V,(2-E)
141	RMB0522	Spring	V,(3-D)
142	RML0486	Tray Nail	V,(3-D)
143	RMM0181	Rack	V,(3-D)
144	RAF0140A	Optical Pick-up	V,(2-D)
145	RMC0294	Retainer	V,(2-D)
146	RXJ0019	Driving Shaft	V,(2-D)
147	RXQ0474	Board Nut	V,(2-D)
149	XQN17+BG45	Screw, M17 x 4.5	V,(2-D)
150	RDG0391	Gear	V,(2-E)
151	REM0074	Traverse Motor Ass'y	V,(3-E)
152	REM0075	Loading Motor Ass'y	V,(3-E)
153	RMS0586	Gear Shaft	V,(2-E)
154	RXQ0537	Motor Cover	V,(2-E)
154-1	RMA0921	Terminal Board	V,(2-E)
156	XYN2+C4	Screw, M2 x 4	V
157	XTW2+6S	Screw, M2 x 6	
158	RGQ0212-K	Front Ornament	V,(3-D)
159	RGU1549-G	Eject Button	V,(3-D)
160	XQN2+AM3	Screw, M2 x 3	V
161	REE0787	Flexible PCB ,20P	V,(1-E)
162	XYC2+FF5	Screw, M2 x 5	V,(1-E) (1-F)
163	REM0079	Spindle Motor	V,(2-D)
164	RHW32015	Washer	V
165	RMA1061	Control Slider R	V,(3-E)
166	RMA1067	Heat Sink Bracket	V,(1-F)
167	XTW2+4L	Screw, M2 x 4	V
169	RMG0474-K	Pad	V,(4-D)
170	RMB0524	Spring	V,(3-F)
171	RMR1085-K	Tray Rack	V,(3-E)
172	XQN2+AM3	Screw	V
173	REE0784	Lead	V,(2-E)

2.2. List B [8-disc CD changer]

ICs and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC1	AN8835SBE1	IC	V
IC2	MN662741RPA	IC	V
IC3	BA6896FPE2	IC	V
IC4	BA6287FT2	IC	V

Ref. No.	Part No.	Part Name & Description	Remarks
IC102	BA6287FT2	IC	V
IC201	UPC4570G2-T2	IC	V
IC600	UPD78053G200	IC	V
IC602	AN8065SE1	IC	V
IC610	BU4584BFE2	IC	V
Q1	2SA1037AKTXR	Transistor	V
Q2	DTC114TKT146	Transistor	V
Q117	DTA143ZKT146	Transistor	V
Q119	DTC114YKT146	Transistor	V
Q601	FP1F3P-T1B	Transistor	V
Q602	DTC144EKT146	Transistor	V
Q610	DTC144EKT146	Transistor	V
Q702	2SB956RTX	Transistor	V
Q703	FB1F3P-T1B	Transistor	V
Q704	2SD2137APQ	Transistor	V
Q705	2SD2137APQ	Transistor	V
Q710	2SD1994A	Transistor	V

Diodes

Ref. No.	Part No.	Part Name & Description	Remarks
D177	RPI-352	Diode	V
D710	RD5R6MB3T1B	Diode	V
D711	1SS355TE17	Diode	V
D712	1SR154-400TE	Diode	V
D713	1SR154-400TE	Diode	V
D714	1SS355TE17	Diode	V
D715	RD5R6JSB3T1	Diode	V
D716	RD8R2JSB3T1	Diode	V
D751	1SR154-400TE	Diode	V
D752	1SR139400T31	Diode	V

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C1	RCSX0JX336RE	Tantalum, 33µF 6.3WV	V
C3	ECEA0JKS101I	Electrolytic, 100µF 6.3WV	
C4	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C5	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C6	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C7	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C8	ECUV1H272KBN	Ceramic, 0.0027µF 50WV	V
C9	ECUV1E273KBN	Ceramic, 0.027µF 25WV	V
C10	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C11	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C12	ECUV1H222KBN	Ceramic, 0.0022µF 50WV	V
C13	ECUV1H182KBN	Ceramic, 0.0018µF 50WV	V
C14	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C15	ECUV1E473KBN	Ceramic, 0.047µF 25WV	V
C16	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C17	ECUV1E273KBN	Ceramic, 0.027µF 25WV	V
C18	ECUV1H471KBN	Ceramic, 470PF 50WV	V
C19	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C20	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C21	ECUV1C224KBN	Ceramic, 0.22µF 16WV	V
C23	ECUV1H070DCN	Ceramic, 7PF 50WV	V
C24	ECUV1H220JCN	Ceramic, 22PF 50WV	V
C25	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C26	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C27	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C28	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C29	ECEA0JKA221I	Electrolytic, 220µF 6.3WV	
C30	ECUV1C154KBN	Ceramic, 0.15µF 16WV	V
C31	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C32	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C33	ECEA0JKA221I	Electrolytic, 220µF 6.3WV	
C34	ECUV1H561KBN	Ceramic, 560PF 50WV	V
C35	ECEA0JKS101I	Electrolytic, 100µF 6.3WV	
C36	ECEA1AKS221I	Electrolytic, 220µF 10WV	
C37	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C40	ECUV1H472KBN	Ceramic, 0.0047µF 50WV	V
C42	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C45	ECUV1C224KBM	Ceramic, 0.22µF 16WV	V
C47	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C102	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C103	ECEA1CKA101	Electrolytic, 100µF 16WV	
C119	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C120	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C177	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C201	ECUV1H332KBM	Ceramic, 0.0033µF 50WV	V
C202	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C203	ECEA1AKA470I	Electrolytic, 47µF 10WV	
C204	ECUV1H221JCN	Ceramic, 220PF 50WV	V
C205	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C206	ECUV1H221JCN	Ceramic, 220PF 50WV	V
C207	ECUV1H271KBM	Ceramic, 270PF 50WV	V
C301	ECUV1H332KBM	Ceramic, 0.0033µF 50WV	V
C302	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C303	ECEA1AKA470I	Electrolytic, 47µF 10WV	
C304	ECUV1H221JCN	Electrolytic, 220PF 50WV	V
C305	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C306	ECUV1H221JCN	Ceramic, 220PF 50WV	V
C307	ECUV1H271JCN	Ceramic, 270PF 50WV	V
C600	ECUV1C104KBN	Ceramic, 0.1µF 25WV	V
C602	ECEA0JKA331I	Electrolytic, 330µF 6.3WV	
C607	ECUV1C104KBN	Ceramic, 0.1µF 16WV	V
C608	ECUV1C104KBM	Ceramic, 0.1µF 16WV	A
C610	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C611	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C612	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C618	EECS5R5H473	Double Layer, 0.47F 5.5WV	V
C620	ECEA1CKA101	Electrolytic, 100µF 16WV	
C627	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C628	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C629	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C630	ECUV1C224KBN	Ceramic, 0.22µF 16WV	A
C705	ECEA1AKA101I	Electrolytic, 100µF 10WV	
C706	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C707	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C708	ECEA1AKA101I	Electrolytic, 100µF 10WV	
C709	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C710	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C711	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C712	ECUV1H103KBN	Ceramic, 0.01µF 50WV	V
C713	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C714	ECA1CHG471	Electrolytic, 470µF 16WV	V
C720	ECEA1CKA101	Electrolytic, 100µF 16WV	
C721	ECEA1CKA101	Electrolytic, 100µF 16WV	
C722	ECEA1AKA470I	Electrolytic, 47µF 10WV	
C751	ECA1CHG471	Electrolytic, 470µF 16WV	V
C752	ECA1CHG471	Electrolytic, 470µF 16WV	V
C753	ECA1CHG471	Electrolytic, 470µF 16WV	V

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
R1	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
R2	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R3	ERJ6GEYJ150	Chip, 15Ω 1/10W	
R4	ERJ6GEYJ100	Chip, 10Ω 1/10W	
R5	ERJ6GEYJ330	Chip, 33Ω 1/10W	
R6	ERJ6GEYJ224	Chip, 220kΩ 1/10W	
R7	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R8	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R9	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R10	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R11	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R12	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R13	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R14	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R15	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R16	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R17	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R18	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R20	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R21	ERJ6GEYJ220	Chip, 22Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R22	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R23	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R24	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R25	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R26	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R27	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R28	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R29	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R30	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R32	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R33	ERJ6GEYJ330	Chip, 33Ω 1/10W	
R34	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R35	ERJ6GEYJ155V	Chip, 1.5MΩ 1/10W	
R36	ERJ6GEYJ1R8V	Chip, 1.8Ω 1/10W	V
R37	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R119	ERJ8GEYJ102V	Chip, 1kΩ 1/10W	
R120	ERJ8GEYJ102V	Chip, 1kΩ 1/10W	
R154	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R158	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R177	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R178	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R179	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R201	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R202	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R203	ERJ8GEYJ103V	Chip, 10kΩ 1/8W	
R204	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R205	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R206	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R207	ERDS2TJ561	Carbon, 560Ω 1/4W	
R301	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R302	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R303	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R304	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R305	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R306	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R307	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R600	ERJ6GEYJ433	Chip, 43kΩ 1/10W	
R605	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R606	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R608	ERDS2TJ102	Carbon, 1kΩ 1/4W	
R610	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R611	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R612	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R613	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R614	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R617	ERJ6GEYJ100	Chip, 10Ω 1/10W	
R618	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R629	ERJ6GEYJ274	Chip, 270kΩ 1/10W	
R630	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R631	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R651	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R652	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R653	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R654	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R655	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R656	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R657	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R658	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R659	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R670	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R671	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R672	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R675	ERDS2TJ473	Carbon, 47kΩ 1/4W	
R677	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R679	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R681	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R683	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R685	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R686	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R687	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R688	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R704	ERJ8GEYJ123V	Chip, 12kΩ 1/8W	
R705	ERJ12YJ221H	Chip, 220Ω 1/2W	
R706	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R707	ERJ12YJ221H	Chip, 220kΩ 1/2W	
R710	ERDS2TJ220	Carbon, 22Ω 1/4W	
R711	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R712	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R720	ERJ6GEYJ820	Chip, 82Ω 1/10W	
R721	ERJ6GEYJ680	Chip, 68Ω 1/10W	
R723	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R726	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R730	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R731	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R732	ERJ6GEYJ220	Chip, 22Ω 1/10W	
RJ631	ERJ8GEYJR47V	Chip, 0.47Ω 1/8W	V

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	RJS2A0316T	Connector,16P	V
CN2	RJS2A0320T	Connector,20P	V
CN101	RJT913W16	Connector,16P	V
CN110	RJS1A1413-D	Connector,13P	V
CN201	RJS1A1420-D	Connector,20P	A
CN210	RJP2G17ZA	Connector,2P	V
CN220	RJS1A1413-D	Connector,13P	V

Switches

Ref. No.	Part No.	Part Name & Description	Remarks
S1	RSP1A004-A	Switch	V
S1	RSP1A021-A	Switch	V
S2	RSP1A004-A	Switch	V
S2	RSP1A004-A	Switch	V
S3	RSG0034-A	Switch	V
S4	RSG0034-A	Switch	V

Oscillators

Ref. No.	Part No.	Part Name & Description	Remarks
X2	RSXC16M9S01T	Crystal Oscillator	V
XL600	RSXY4M91M01T	Ceramic Oscillator	V

Coils

Ref. No.	Part No.	Part Name & Description	Remarks
L600	SLQDNL101JT	Coil	V
L701	TLPD003	Coil	V

Printing

Ref. No.	Part No.	Part Name & Description	Remarks
	YEFM282765	Operating Instructions	

Installation Parts

Ref. No.	Part No.	Part Name & Description	Remarks
	YEAJ071212	Power Cord	
	YEP9BS1101	Screw Kit	
	YEFG012448	Base Bracket	
	YEFG05896	Bracket L	
	YEFG05897	Bracket R	
	YEFX9991395	Adhesive Tape	

Miscellaneous

Ref. No.	Part No.	Part Name & Description	Remarks
F1(⚠)	XBB1F30NR5	Fuse, 3A	
1	RKM0353-K	Upper Cover	V,(4-C)
2	RKS0269-K	Bottom Cover	V,(1-B)
3	RMQ0754	Spacer	V,(1-C)
4	RYQ0206-K	Magazine Ass'y	
4-1	RMR1087-K	Magazine Tray, 12cm	V
6	RMA1097	Bracket	V,(2-A)
7	RMB0526	Spring	V,(1-C)

Ref. No.	Part No.	Part Name & Description	Remarks
8	RMG0462-K	Insulator	V
9	RMG0473-K	Rubber Cushion	V,(2-A)
10	RML0493	Bracket	V,(1-C)
11	RMX0136	Spacer	A,(4-C)
12	RMZ0437	Insulator	V,(2-C)
13	RMQ0769	Screw, M26 x 5	V
14	RMQ0767	Screw, M3 x 5	V
15	REE0789	Flexible PCB,13P	V,(2-B)
16	YEFC025482A	Escutcheon Ass'y	

CD player parts

Ref. No.	Part No.	Part Name & Description	Remarks
101	RDG0400	Worm Wheel	V,(2-F)
102	RHW27003	Washer	V
103	RMA1065	Lift Slider F	V,(4-D)
104	RMB0523	Spring	V,(2-F)
105	RMB0531	Spring	V,(3-E)
106	RML0488	Magazine Lock Lever	V,(2-F)
107	RMM0182	Connecting Rod	V,(4-D)
108	RMQ0723	Screw, M2 x 3	V
109	RXA0168	Rear Frame	V,(4-F)
110	RMA1066	Lift Slider R	V,(4-F)
111	RMQ0723	Screw	V
112	RMR1086-K	Driving Rack of Slider	V,(4-F)
113	RXK0258	Main Frame Ass'y	V,(4-E)
114	RDG0401	Gear	V,(2-E)
115	REM0081	Motor Ass'y	V,(2-E)
116	RHW21022	Washer	V,(1-E)
117	RMB0525	Spring	V,(1-F)
118	RML0489	Eject Lever	V,(1-F)
119	RMQ0722	Gear	V,(2-F)
120	RMR1084-K	Guide Rail	V,(2-F)
121	RXK0233	Magazine Base Ass'y	V,(2-F)
122	XTB2+8F	Screw	V
123	XYN2+C3	Screw	V
124	RDG0393	Gear	V,(2-E)
125	RDG0395	Worm Gear	V,(2-E)
126	RDG0396	Main Gear	V,(2-E)
127	RDG0397	Transfer Gear	V,(2-E)
128	RDG0398	Gear	V,(2-E)
129	RMA1063	Gear Retainer	V,(1-E)
130	RMC0295	Retainer	V,(2-D)
131	RML0484	Switch Lever	V,(2-D)
132	RML0485	Arm	V,(2-E)
133	RMQ0461	Screw, M17 x 2.5	V
134	RXA0164	Control Slider F	V,(3-D)
135	RXK0235	Traverse Chassis Ass'y	V,(2-D)
135-1	RMA1075	Rack Guide	V,(2-E)
135-2	RMB0556	Spring	V,(2-E)
135-3	RMC0331	Spring	V,(2-D)
135-4	XTW2+6S	Screw, M2 x 6	
136	RMC0332	Clamper Lifter	V,(3-E)
137	RXK0236	Upper Chassis Ass'y	V,(3-E)
137-2	RMB0542	Spring	V,(3-E)
138	RMA1062	Clamper Retainer	V,(3-E)
139	RML0487	Clamper Arm	V,(3-E)
140	RMR1083-K	Clamper	V,(2-E)
141	RMB0522	Spring	V,(3-D)
142	RML0486	Tray Nail	V,(3-D)
143	RMM0181	Rack	V,(3-D)
144	RAF0140A	Optical Pick-up	V,(2-D)
145	RMC0294	Retainer	V,(2-D)
146	RXJ0019	Driving Shaft	V,(2-D)
147	RXQ0474	Board Nut	V,(2-D)
149	XQN17+BG45	Screw, M17 x 4.5	V,(2-D)
150	RDG0391	Gear	V,(2-E)
151	REM0074	Traverse Motor Ass'y	V,(3-E)
152	REM0075	Loading Motor Ass'y	V,(3-E)
153	RMS0586	Gear Shaft	V,(2-E)
154	RXQ0537	Motor Cover	V,(2-E)
154-1	RMA0921	Terminal Board	V,(2-E)
156	XYN2+C4	Screw, M2 x 4	V
157	XTW2+6S	Screw, M2 x 6	
158	RGQ0212-K	Front Ornament	V,(3-D)
159	RGU1549-G	Eject Button	V,(3-D)
160	XQN2+AM3	Screw, M2 x 3	V
161	REE0787	Flexible PCB ,20P	V,(1-E)
162	XYC2+FF5	Screw, M2 x 5	V,(1-F)
163	REM0079	Spindle Motor	V,(2-D)
164	RHW32015	Washer	V
165	RMA1061	Control Slider R	V,(3-E)
166	RMA1067	Heat Sink Bracket	V,(1-F)
167	XTW2+4L	Screw, M2 x 4	V
169	RMG0474-K	Pad	V,(4-D)
170	RMB0524	Spring	V,(3-F)
171	RMR1085-K	Tray Rack	V,(3-E)
172	XQN2+AM3	Screw	V
173	REE0784	Lead	V,(2-E)

2.3. List C [1-disc CD player]

ICs and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC1	AN8835SBE1	IC	V
IC2	MN662741RPA	IC	V
IC3	AN8389SE1	IC	V
IC4	MB89123-390	IC	V
IC5	TCA0372DM2R2	IC	V
IC6	TCA0372DM2R2	IC	V
IC100	SM5859AF	IC	V
IC101	MB814400C70L	IC	V
Q1	2SB709S	Transistor	V
Q2	DTC144EKT146	Transistor	V

Diode

Ref. No.	Part No.	Part Name & Description	Remarks
D1	MA141WATX	Diode	V

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C1	RCSX0JX226LE	Electrolytic, 22µF 6.3WV	V
C2	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C3	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C4	ECUV1E104ZFN	Ceramic, 0.1µF 25WV	V
C5	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C6	ECUV1H272KBN	Ceramic, 0.0027µF 50WV	V
C7	ECUV1E273MBN	Ceramic, 0.027µF 25WV	V
C8	ECUV1H472MBN	Ceramic, 0.0047µF 50WV	V
C9	ECUV1C473KBN	Ceramic, 0.047µF 16WV	V
C10	ECUV1H222KBN	Ceramic, 0.0022µF 50WV	V
C11	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C12	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C13	ECUV1C105ZFN	Ceramic, 1µF 16WV	V
C14	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C15	ECUV1H331KBN	Ceramic, 330PF 50WV	V
C16	ECUV1H561KBN	Ceramic, 560PF 50WV	V
C17	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C18	ECUV1E104KBN	Ceramic, 0.1µF 25WV	V
C19	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C20	ECUV1E104MBM	Ceramic, 0.1µF 25WV	V
C23	ECA0JM221I	Electrolytic, 220µF 6.3WV	V
C24	ECUV1C105ZFN	Ceramic, 1µF 16WV	V
C25	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C26	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C27	ECUV1E104MBM	Ceramic, 0.1µF 25WV	V
C30	ECUV1E104ZFN	Ceramic, 0.1µF 25WV	V
C31	ECA0JM221I	Electrolytic, 220µF 6.3WV	V
C34	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C35	ECUV1C105ZFN	Ceramic, 1µF 16WV	V
C36	ECUV1E104MBM	Ceramic, 0.1µF 25WV	V
C37	ECUV1E473KBN	Ceramic, 0.047µF 25WV	V
C38	ECUV1E154MBM	Ceramic, 0.15µF 25WV	V

Ref. No.	Part No.	Part Name & Description	Remarks
C39	ECUV1H561KBN	Ceramic, 560PF 50WV	V
C42	ECUV1E273MBN	Ceramic, 0.027µF 25WV	V
C44	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C45	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C46	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C47	ECUV1H222KBN	Ceramic, 0.0022µF 50WV	V
C48	ECUV1H471KBN	Ceramic, 470PF 50WV	V
C49	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C50	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C51	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C52	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C61	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C62	ECUV1E223ZFN	Ceramic, 0.022µF 25WV	V
C100	ECUV1H050DCN	Ceramic, 5PFD 50WV	V
C101	ECUV1H050DCN	Ceramic, 5PFD 50WV	V
C102	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C103	ECUV1C105ZFN	Ceramic, 1µF 16WV	V
C104	ECUV1A475ZFN	Ceramic, 4.7µF 10WV	V
C105	ECUV1C105ZFN	Ceramic, 1µF 16WV	V

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
R1	ERJ6GEYJ4R7	Chip, 4.7Ω 0.1W	
R2	ERJ6GEYJ221	Chip, 220Ω 0.1W	
R3	ERJ6GEYJ183	Chip, 18kΩ 0.1W	
R4	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R5	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R6	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R7	ERJ6GEYJ184	Chip, 180kΩ 0.1W	
R8	ERJ6GEYJ224	Chip, 220kΩ 0.1W	
R9	ERJ6GEYJ683	Chip, 68kΩ 0.1W	
R10	ERJ6GEYJ330	Chip, 33Ω 0.1W	
R11	ERJ6GEYJ124	Chip, 120kΩ 0.1W	
R12	ERJ6GEYJ471	Chip, 470Ω 0.1W	
R13	ERJ6GEYJ100	Chip, 10Ω 0.1W	
R17	ERJ6GEYJ220	Chip, 22Ω 0.1W	
R18	ERJ6GEYJ220	Chip, 22Ω 0.1W	
R23	ERJ6GEYJ682	Chip, 6.8kΩ 0.1W	
R24	ERJ6GEYJ333	Chip, 33kΩ 0.1W	
R25	ERJ6GEYJ472	Chip, 4.7kΩ 0.1W	
R26	ERJ6GEYJ104	Chip, 100kΩ 0.1W	
R27	ERJ6GEYJ223	Chip, 22kΩ 0.1W	
R28	ERJ6GEYJ223	Chip, 22kΩ 0.1W	
R29	ERJ6GEYJ101	Chip, 100Ω 0.1W	
R30	ERJ8GEYJ103	Chip, 10kΩ 0.13W	
R31	ERJ6GEYJ682	Chip, 6.8kΩ 0.1W	
R32	ERJ6GEYJ223	Chip, 22kΩ 0.1W	
R34	ERJ6GEYJ393	Chip, 39kΩ 0.1W	
R35	ERJ6GEYJ4R7	Chip, 4.7Ω 0.1W	
R36	ERJ6GEYJ101	Chip, 100Ω 0.1W	
R37	ERJ6GEYJ100	Chip, 10Ω 0.1W	
R38	ERJ6GEYJ150	Chip, 15Ω 0.1W	
R39	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R40	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R44	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R45	ERJ6GEYJ155V	Chip, 1.5MΩ 0.1W	
R48	ERJ6GEYJ332	Chip, 3.3kΩ 0.1W	
R49	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R50	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R51	ERJ6GEYJ4R7	Chip, 4.7Ω 0.1W	
R53	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R54	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R55	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R59	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R60	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R61	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R62	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R63	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R64	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R65	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R66	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R67	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R68	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R69	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R70	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R71	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R72	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R73	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R74	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R76	ERJ6GEYJ4R7	Chip, 4.7Ω 0.1W	
R100	ERJ6GEYJ683	Chip, 68kΩ 0.1W	
R101	ERJ6GEYJ822	Chip, 8.2kΩ 0.1W	
R102	ERJ6GEYJ222	Chip, 2.2kΩ 0.1W	
R103	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R104	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R105	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R106	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R107	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R112	ERJ6GEYJ681	Chip, 680Ω 0.1W	
R113	ERJ6GEYJ334	Chip, 330kΩ 0.1W	
R114	ERJ6GEYJ334	Chip, 330kΩ 0.1W	
R115	ERJ6GEYJ334	Chip, 330kΩ 0.1W	
R116	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R117	ERJ6GEYJ102	Chip, 1kΩ 0.1W	

Oscillators

Ref. No.	Part No.	Part Name & Description	Remarks
X1	RSXC33M8S02T	Oscillator	V
X2	RVBCST4R00MT	Oscillator	V

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	RJS2A1816T	Connector, 16P	V
CN2	RJS1A7114T	Connector, 14P	V
CN3	RJP2G28ZA	Connector, 2P	V
CN4	RJS1A7105T	Connector, 5P	V

Switches

Ref. No.	Part No.	Part Name & Description	Remarks
SW1	RSP1A015-A	Switch	V
SW2	RSP1A015-A	Switch	V
SW3	RSP1A015-A	Switch	V
SW4	RSP1A015-A	Switch	V
SW5	RSP1A018-A	Switch	V

Miscellaneous

Ref. No.	Part No.	Part Name & Description	Remarks
101	RDG0262	Gear	V, (1-B)
102	RDG0266	Gear	V, (1-B)
103	RDG0273	Gear	V, (1-B)
104	RHW27003	Washer	V
105	RHW27004	Washer	V
106	RMA0755	Slide Plate (A)	V, (2-A)
107	RMA0756	Lock Arm	V, (2-A)
108	RMA0790-1	Cover	V, (2-B)
109	RMB0341-1	Spring	V, (2-A) (1-C)
110	RMB0343-1	Spring	V, (1-C)
111	RMB0368	Spring	A, (2-A) (2-C)
112	RML0324	Arm	A, (1-B)
113	RMM0114	Rod	V, (2-C)
114	RMR0724-W	Slide Plate	V, (1-C)
115	RMR0754-W	Arm	V, (1-B)
116	RXK0166	Main Chassis Ass' y	V, (1-B)
117	RDG0261	Gear	V
118	REM0048	Loading Motor Ass' y	V, (1-C)
118-1	REE0559	Wire Ass' y	V, (1-C)
119	RML0332	Lever	V, (2-C)
120	RXA0142	Slide Plate (B)	V, (2-C)
121	RXK0168	Loading Chassis Ass' y	V, (2-C)

Ref. No.	Part No.	Part Name & Description	Remarks
122	XYN2+C3	Screw	V,(1-B)
123	RXL0109-2	Roller Ass' y	V,(1-A)
124	RMQ0467	Screw	V
125	RXQ0349	Insulator (A)	V,(4-B)
126	RXQ0348	Insulator (B)	V,(3-A)
127	RXQ0350	Insulator (C)	V,(4-A)
128	RMB0342-2	Spring	V,(4-C)
129	RMB0344	Spring	V,(4-C)
130	RMG0348-K	Rubber	V,(4-C)
131	RML0326-1	Lever	V,(3-C)
132	RMM0115-1	Arm (A)	V,(3-C)
133	RMM0116	Arm (B)	V,(3-C)
134	RMR0726-W2	Disc Guide	V,(2-C)
135	RXK0171-1	Chassis Ass' y	V,(4-C)
136	RXL0113	Detector Lever (A)	V,(3-B)
136-1	RDP0074	Roller	V,(3-B)
136-2	RHW12016	Washer	V,(3-B)
137	RXL0114	Detector Lever (B)	V,(3-C)
137-1	RDP0074	Roller	V,(3-C)
137-2	RHW12016	Washer	V,(3-C)
138	RXL0115	Control Arm Ass' y	V,(4-C)
139	RXL0116	Trigger Lever (A)	V,(3-B)
140	RXL0117	Trigger Lever (B)	V,(3-C)
141	RMQ0558	Screw	V,(2-C)
142	RMB0338	Spring	V,(4-B)
143	RMB0340-2	Spring	V,(3-B)
144	RMB0348	Spring	V,(4-A)
145	RXA0154	Motor Angle Ass' y	V,(3-B)
145-1	RMA0934	Terminal	V,(3-B)
146	RDP0086-1	Pulley	V,(2-B)
147	RDV0045	Belt	V,(2-B)
148	REM0059	Motor Ass' y	V,(3-B)
149	RMC0295	Spring	V,(3-B)
150	RMQ0494	Sheet	V,(3-A)
151	RXK0193	Chassis Ass' y	V,(3-A)
152	RMA0757	Fixer	V,(4-A)
153	RMR0725-W	Disc Holder	V,(4-A)
154	RXL0112-1	Clamper Arm Ass' y	V,(4-A)
155	RMC0294	Spring Plate	V,(2-A)
156	RMC0300-1	Spring Plate	V,(2-A)
157	RAF0140A	Optical Pick Up Ass' y	V,(3-A)
158	RMR0849-W	Nut Plate	V,(2-A)
159	REE0562-1	FFC	V,(4-B)
160	RFKPMC16PBZ	Motor Ass' y	V,(3-A)
161	RXJ0016	Worm Gear	V,(2-A)
162	XQN17+BG45	Screw	V,(2-A)
163	RMB0339	Spring	A,(3-A)
164	RMB0345-2	Spring	V,(4-A)
165	RMQ0461	Screw	V,(4-A)
166	XTW2+6S	Screw	(2-A) (2-B)
167	XTN2+4F	Screw	V,(4-B) (4-C)
168	RMC0265	Spring	V,(2-B)

2.4. List D [1-disc CD player]

ICs and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC1	AN8835SBE1	IC	V
IC2	MN662741RPA	IC	V
IC3	AN8389SE1	IC	V
IC4	MB89123-306	IC	V
IC5	TCA0372DM2R2	IC	V
IC6	TCA0372DM2R2	IC	V
Q1	2SB709S	Transistor	V
Q2	DTC144EKT96	Transistor	A

Diode

Ref. No.	Part No.	Part Name & Description	Remarks
D1	MA141WATX	Diode	V

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C1	RCSX0JX226LE	Electrolytic, 22µF 6.3WV	V
C2	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C3	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C4	ECUV1E104ZFN	Ceramic, 0.1µF 25WV	V
C5	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C6	ECUV1H272KBN	Ceramic, 0.0027µF 50WV	V
C7	ECUV1E273MBN	Ceramic, 0.027µF 25WV	V
C8	ECUV1H472MBN	Ceramic, 0.0047µF 50WV	V
C9	ECUV1C473KBN	Ceramic, 0.047µF 16WV	V
C10	ECUV1H222KBN	Ceramic, 0.0022µF 50WV	V
C11	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C12	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C13	ECUV1E104ZFN	Ceramic, 0.1µF 25WV	V
C14	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C15	ECUV1H331KBN	Ceramic, 330PF 50WV	
C16	ECUV1H561KBN	Ceramic, 560PF 50WV	V
C17	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C18	ECUV1C474KBM	Ceramic, 0.47µF 16WV	A
C19	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C20	ECUV1E104MBM	Ceramic, 0.1µF 25WV	V
C21	ECUV1H070DCN	Ceramic, 7PF 50WV	V
C22	ECUV1H220JCN	Ceramic, 22PF 50WV	
C23	ECA0JM221I	Electrolytic, 220µF 6.3WV	V
C24	ECUV1E104ZFN	Ceramic, 0.1µF 25WV	V
C25	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C26	ECUV1H102KBN	Ceramic, 0.001µF 50WV	V
C27	ECUV1E104MBM	Ceramic, 0.1µF 25WV	V
C30	ECUV1E223ZFN	Ceramic, 0.022µF 25WV	V
C31	ECA0JM221I	Electrolytic, 220µF 6.3WV	V
C34	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C35	ECUV1E104ZFN	Ceramic, 0.1µF 25WV	V
C36	ECUV1E104MBM	Ceramic, 0.1µF 25WV	V
C37	ECUV1E473KBN	Ceramic, 0.047µF 25WV	V
C38	ECUV1E154MBM	Ceramic, 0.15µF 25WV	V
C39	ECUV1H561KBN	Ceramic, 560PF 50WV	V
C42	ECUV1E273MBN	Ceramic, 0.027µF 25WV	V
C43	ECUV1E104ZFN	Ceramic, 0.1µF 25WV	V
C44	ECUV1E223KBN	Ceramic, 0.022µF 25WV	V
C45	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C46	ECUV1E104MBN	Ceramic, 0.1µF 25WV	V
C47	ECUV1H222KBN	Ceramic, 0.0022µF 50WV	V
C48	ECUV1H471KBN	Ceramic, 470PF 50WV	V
C49	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C50	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C51	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C52	ECUV1E103MBN	Ceramic, 0.01µF 25WV	V
C61	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C62	ECUV1E223ZFN	Ceramic, 0.022µF 25WV	V

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
R1	ERJ6GEYJ4R7	Chip, 4.7 ohms 0.1W	
R2	ERJ6GEYJ221	Chip, 220 ohms 0.1W	
R3	ERJ6GEYJ183	Chip, 18kΩ 0.1W	
R4	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R5	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R6	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R7	ERJ6GEYJ184	Chip, 180kΩ 0.1W	
R8	ERJ6GEYJ224	Chip, 220kΩ 0.1W	
R9	ERJ6GEYJ683	Chip, 68kΩ 0.1W	
R10	ERJ6GEYJ330	Chip, 33 ohms 0.1W	
R11	ERJ6GEYJ154	Chip, 150kΩ 0.1W	
R12	ERJ6GEYJ471	Chip, 470 ohms 0.1W	
R13	ERJ6GEYJ100	Chip, 10 ohms 0.1W	
R14	ERJ6GEYJ121	Chip, 120 ohms 0.1W	
R17	ERJ6GEYJ220	Chip, 22 ohms 0.1W	
R18	ERJ6GEYJ220	Chip, 22 ohms 0.1W	
R23	ERJ6GEYJ682	Chip, 6.8kΩ 0.1W	
R24	ERJ6GEYJ333	Chip, 33kΩ 0.1W	
R25	ERJ6GEYJ472	Chip, 4.7kΩ 0.1W	
R26	ERJ6GEYJ104	Chip, 100kΩ 0.1W	

Ref. No.	Part No.	Part Name & Description	Remarks
R27	ERJ6GEYJ223	Chip, 22kΩ 0.1W	
R28	ERJ6GEYJ223	Chip, 22kΩ 0.1W	
R29	ERJ6GEYJ101	Chip, 100 ohms 0.1W	
R30	ERJ8GEYJ103	Chip, 10kΩ 0.13W	
R31	ERJ6GEYJ682	Chip, 6.8kΩ 0.1W	
R32	ERJ6GEYJ223	Chip, 22kΩ 0.1W	
R34	ERJ6GEYJ393	Chip, 39kΩ 0.1W	
R35	ERJ6GEYJ4R7	Chip, 4.7 ohms 0.1W	
R36	ERJ6GEYJ101	Chip, 100 ohms 0.1W	
R37	ERJ6GEYJ100	Chip, 10 ohms 0.1W	
R38	ERJ6GEYJ150	Chip, 15 ohms 0.1W	
R39	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R40	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R44	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R45	ERJ6GEYJ155V	Chip, 1.5M ohms 0.1W	
R48	ERJ6GEYJ332	Chip, 3.3kΩ 0.1W	
R49	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R50	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R51	ERJ6GEYJ4R7	Chip, 4.7 ohms 0.1W	
R53	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R54	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R55	ERJ6GEYJ103	Chip, 10kΩ 0.1W	
R58	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R59	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R60	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R61	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R62	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R63	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R64	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R65	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R66	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R67	ERJ6GEYJ102	Chip, 1kΩ 0.1W	
R68	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R69	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R70	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R71	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R72	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R73	ERJ8GEYJ473	Chip, 47kΩ 0.13W	
R74	ERJ6GEYJ473	Chip, 47kΩ 0.1W	
R76	ERJ6GEYJ4R7	Chip, 4.7 ohms 0.1W	

Oscillators

Ref. No.	Part No.	Part Name & Description	Remarks
X1	RSXC16M9S01T	Oscillator	V
X2	RVBCST4R00MT	Oscillator	V

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	RJS2A1816T	Connector, 16P	V
CN2	RJS1A7114T	Connector, 14P	V
CN3	RJP2G28ZA	Connector, 2P	V
CN4	RJS1A7105T	Connector, 5P	V

Switches

Ref. No.	Part No.	Part Name & Description	Remarks
SW1	RSP1A015-A	Switch	V
SW2	RSP1A015-A	Switch	V
SW3	RSP1A015-A	Switch	V
SW4	RSP1A015-A	Switch	V
SW5	RSP1A018-A	Switch	V

Miscellaneous

Ref. No.	Part No.	Part Name & Description	Remarks
101	RDG0262	Gear	V,(1-B)
102	RDG0266	Gear	V,(1-B)
103	RDG0273	Gear	V,(1-B)
104	RHW27003	Washer	V
105	RHW27004	Washer	V
106	RMA0755	Slide Plate (A)	V,(2-A)
107	RMA0756	Lock Arm	V,(2-A)
108	RMA0790-1	Cover	V,(2-B)
109	RMB0341-1	Spring	V,(2-A)
109	RMB0341-1	Spring	V,(1-C)
110	RMB0343-1	Spring	V,(1-C)
111	RMB0368	Spring	A,(2-A)
111	RMB0368	Spring	A,(2-C)
112	RML0324	Arm	V,(1-B)
113	RMM0114	Rod	V,(2-C)
114	RMR0724-W	Slide Plate	V,(1-C)
115	RMR0754-W	Arm	V,(1-B)
116	RXK0166	Main Chassis Ass' y	V,(1-B)
117	RDG0261	Gear	V,(1-C)
118	REM0048	Loading Motor Ass' y	V,(1-C)
118-1	REE0559	Wire Ass' y	V,(1-C)
119	RML0332	Lever	V,(2-C)
120	RXA0142	Slide Plate (B)	V,(2-C)
121	RXK0168	Loading Chassis Ass' y	V,(2-C)
122	XYN2+C3	Screw	V,(1-B)
123	RXL0109-2	Roller Ass' y	V,(1-A)
124	RMQ0467	Screw	V
125	RMQ0349	Insulator (A)	A,(4-B)
126	RMQ0348	Insulator (B)	A,(3-A)
127	RMQ0350	Insulator (C)	A,(4-A)
128	RMB0342-2	Spring	V,(4-C)
129	RMB0344	Spring	V,(4-C)
130	RMG0348-K	Rubber	V,(4-C)
131	RML0326-1	Lever	V,(3-C)
132	RMM0115-1	Arm (A)	V,(3-C)
133	RMM0116	Arm (B)	V,(3-C)
134	RMR0726-W2	Disc Guide	V,(2-C)
135	RXK0171-1	Chassis Ass' y	V,(3-B)
136	RXL0113	Detector Lever (A)	V,(3-B)
136-1	RDP0074	Roller	V,(3-B)
136-2	RHW12016	Washer	V,(3-B)
137	RXL0114	Detector Lever (B)	V,(3-C)
137-1	RDP0074	Roller	V,(3-C)
137-2	RHW12016	Washer	V,(3-C)
138	RXL0115	Control Arm Ass' y	V,(4-C)
139	RXL0116	Trigger Lever (A)	V,(3-B)
140	RXL0117	Trigger Lever (B)	V,(3-C)
141	RMQ0558	Screw	V,(2-C)
142	RMB0338	Spring	V,(4-B)
143	RMB0340-2	Spring	V,(3-B)
144	RMB0348	Spring	V,(4-A)
145	RXA0154	Motor Angle Ass' y	V,(3-B)
145-1	RMA0934	Terminal	V,(3-B)
146	RDP0086-1	Pulley	V,(2-B)
147	RDV0045	Belt	V,(2-B)
148	REM0059	Motor Ass' y	V,(3-B)
149	RMC0295	Spring	V,(3-B)
150	RMQ0494	Sheet	V,(3-A)
151	RXK0193	Chassis Ass' y	V,(3-A)
152	RMA0757	Fixer	V,(4-A)
153	RMR0725-W	Disc Holder	V,(4-A)
154	RXL0112-1	Clamper Arm Ass' y	V,(4-A)
155	RMC0294	Spring Plate	V,(2-A)
156	RMC0300-1	Spring Plate	V,(2-A)
157	RAF0140A	Optical Pick Up Ass' y	V,(3-A)
158	RMR0849-W	Nut Plate	V,(2-A)
159	REE0562	FFC	V,(4-B)
160	RFKPMC16PBZ	Motor Ass' y	V,(3-A)
161	RXJ0016	Worm Gear	V,(2-A)
162	XQN17+BG45	Screw	V,(2-A)
163	RMB0339	Spring	A,(3-A)
164	RMB0345-2	Spring	V,(4-A)
165	RMQ0461	Screw	V,(4-A)
166	XTW2+6S	Screw	(2-A)
166	XTW2+6S	Screw	(2-B)
167	XTN2+4F	Screw	V,(4-B)
167	XTN2+4F	Screw	V,(4-C)
168	RMC0265	Spring	V,(2-B)

1.5. List E [1-disc CD player]

ICs and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC1	AN8835SBE1	IC	V
IC2	MN662741RPA	IC	A
IC3	BA6795FPE2	IC	A
IC4	MB89193-233E	IC	A
Q1	2SA1037AKTXR	Transistor	V
Q2	DTC114TKT96	Transistor	V

Diode

Ref. No.	Part No.	Part Name & Description	Remarks
D1	MA141WKTX	Diode	A

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C1	RCSX0JX226LE	Tantalum, 22µF 6.3WV	V
C3	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C4	ECUV1E104ZFN	Chip, 0.1µF 25WV	V
C5	ECUV1E104ZFN	Chip, 0.1µF 25WV	V
C6	ECUV1E104MBN	Chip, 0.1µF 25WV	V
C7	ECUV1E104MBN	Chip, 0.1µF 25WV	V
C8	ECUV1H272KBN	Chip, 0.0027µF 50WV	V
C9	ECUV1E273KBN	Chip, 0.027µF 25WV	V
C10	ECUV1E104MBN	Chip, 0.1µF 25WV	V
C11	ECUV1E104MBN	Chip, 0.1µF 25WV	V
C12	ECUV1H222MBN	Chip, 0.0022µF 50WV	V
C13	ECUV1H182KBN	Chip, 0.0018µF 50WV	V
C14	ECUV1E104MBN	Chip, 0.1µF 25WV	V
C15	ECUV1C473KBN	Chip, 0.047µF 16WV	V
C16	ECUV1E223KBN	Chip, 0.022µF 25WV	V
C17	ECUV1E273KBN	Chip, 0.027µF 25WV	V
C18	ECUV1H471KBN	Chip, 470PF 50WV	V
C19	ECUV1E104MBN	Chip, 0.1µF 25WV	V
C20	ECUV1E223KBN	Chip, 0.022µF 25WV	V
C21	ECUV1C224KBM	Chip, 0.22µF 16WV	V
C22	ECUV1C224KBM	Chip, 0.22µF 16WV	V
C23	ECUV1H070DCN	Chip, 7PF 50WV	V
C24	ECUV1H220JCN	Chip, 22PF 50WV	V
C25	ECUV1E104ZFN	Chip, 0.1µF 25WV	V
C26	ECUV1H102KBN	Chip, 0.001µF 50WV	V
C27	ECUV1H102KBN	Chip, 0.001µF 50WV	V
C28	ECUV1E223ZFN	Chip, 0.022µF 25WV	V
C29	RCE0JPK221IG	Electrolytic, 220µF 6.3WV	V
C30	ECUV1E154MBM	Chip, 0.15µF 25WV	V
C33	RCE0JPK221IG	Electrolytic, 220µF 6.3WV	V
C34	ECUV1H561KBN	Chip, 560PF 50WV	V
C35	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C36	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C37	ECUV1E104ZFN	Chip, 0.1µF 25WV	V
C38	ECEA0JKA221I	Electrolytic, 220µF 6.3WV	
C39	ECUV1E104ZFN	Chip, 0.1µF 25WV	V
C40	ECUV1H472MBN	Chip, 0.0047µF 50WV	V
C42	ECUV1E104ZFN	Chip, 0.1µF 25WV	V
C44	ECUV1H331KBN	Chip, 330PF 50WV	V
C45	ECUV1E224ZFM	Chip, 0.22µF 25WV	V
C56	ECUV1H221KBN	Chip, 220PF 50WV	A

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
R1	ERJ6GEYJ150	Chip, 15Ω 1/10W	
R2	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R3	ERJ6GEYJ150	Chip, 15Ω 1/10W	
R5	ERJ6GEYJ330	Chip, 33Ω 1/10W	
R6	ERJ6GEYJ224	Chip, 220kΩ 1/10W	
R7	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R8	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R9	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R10	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R11	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R12	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R13	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R14	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R15	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R16	ERJ6GEYJ154	Chip, 150kΩ 1/10W	
R17	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R18	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R20	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R21	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R22	ERJ6GEYJ220	Chip, 22Ω 1/10W	
R23	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R24	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R25	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R26	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R27	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R28	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R29	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R30	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R31	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R32	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R33	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R34	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R35	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R36	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R37	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R39	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R40	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R41	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R42	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R43	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R44	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R45	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R46	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R47	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R49	ERJ6GEYJ155V	Chip, 1.5MΩ 1/10W	V
R50	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R51	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R52	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R53	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R54	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R55	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R56	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R57	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R58	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R62	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R63	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
RJ1	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
RJ2	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
RJ3	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
RJ4	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
RJ5	ERJ6GEYJ1R8V	Chip, 1.8Ω 1/10W	V
RJ6	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
RJ7	ERJ8GEY0R00V	Chip, 0Ω 1/8W	

Oscillators

Ref. No.	Part No.	Part Name & Description	Remarks
X1	RVBCST4R00MT	Ceramic Oscillator	V
X2	RSXC16M9S01T	Crystal Oscillator	V

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	RJS2A1816T	Connector, 16P	V
CN2	RJS1A7114T	Connector, 14P	V
CN3	RJS1A7105T	Connector, 5P	V
CN4	RJP2G17ZA	Connector, 2P	V
CN5	RJS2A1405T	Connector, 5P	V

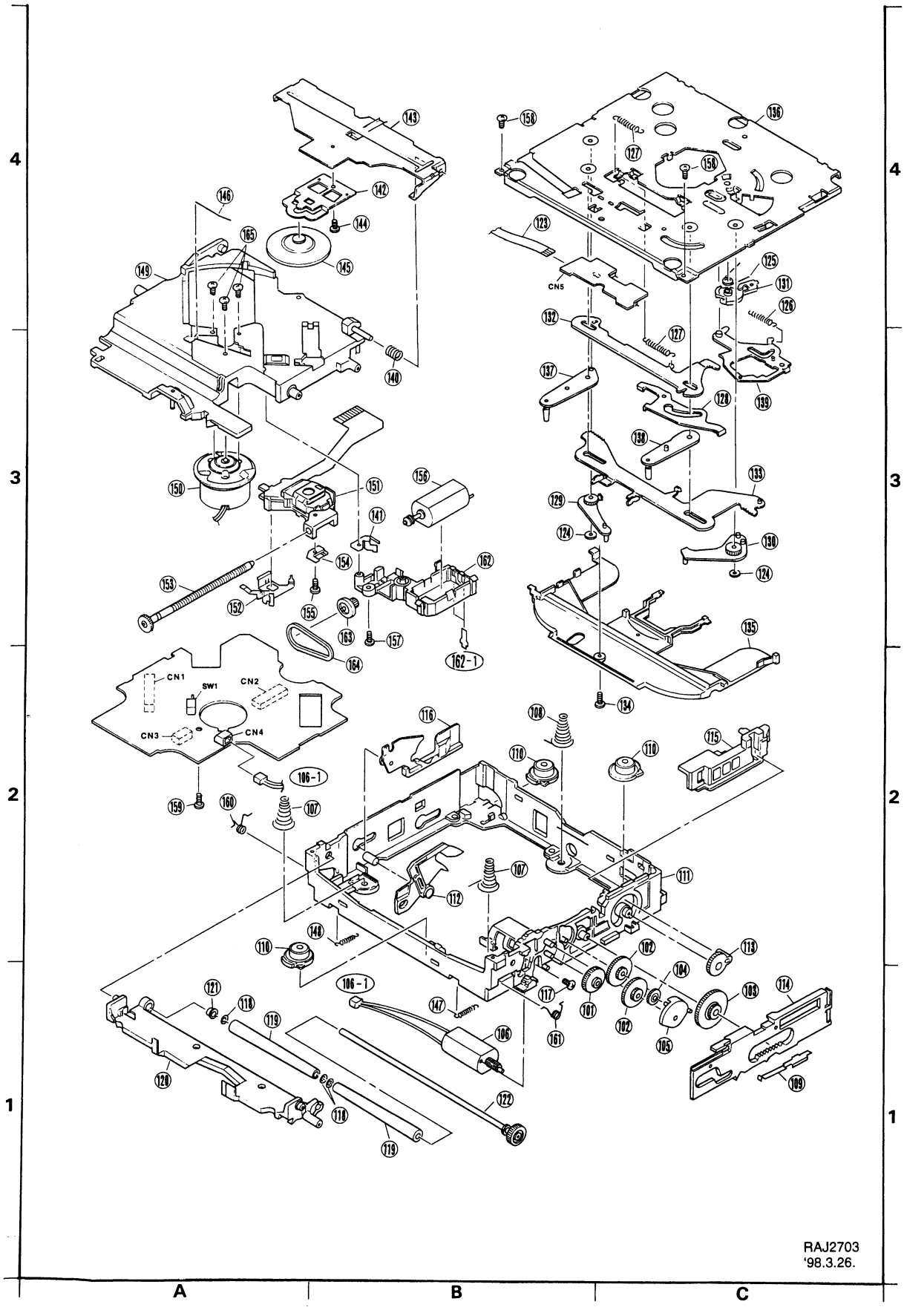
Switches

Ref. No.	Part No.	Part Name & Description	Remarks
SW1	ESE11SH2	Switch	V
SW2	RSP1A015-A	Switch	V
SW3	RSP1A015-A	Switch	V
SW4	RSP1A015-A	Switch	V
SW5	RSP1A015-A	Switch	V

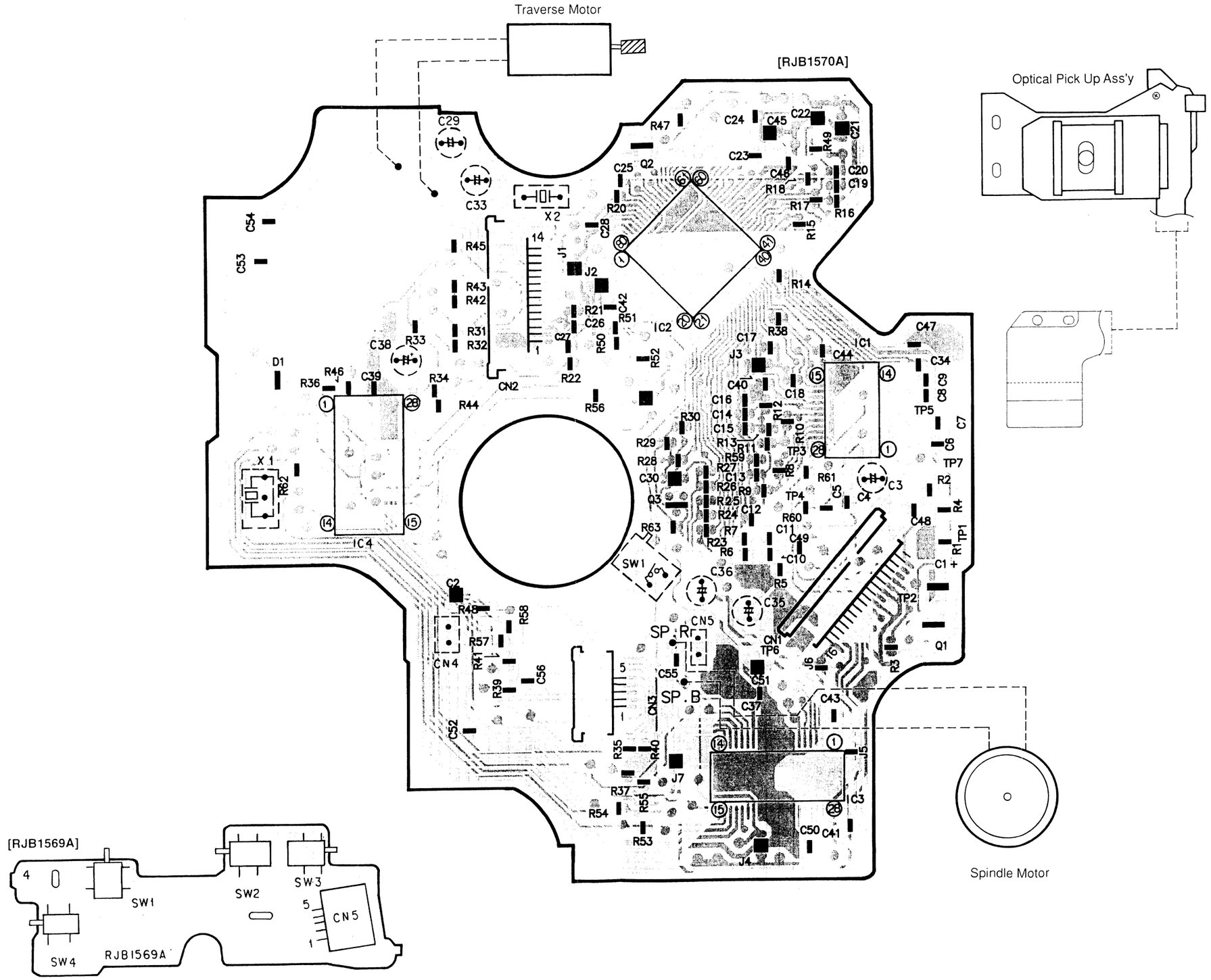
Miscellaneous

Ref. No.	Part No.	Part Name & Description	Remarks
101	RDG0350	Gear	V,(1-B)
102	RDG0351	Gear N2	V,(1-C)
103	RDG0352-1	Loading Gear	V,(1-C)
104	RDG0353	Roller Drive Gear	V,(1-C)
105	RDG0354	Roller Drive Arm	V,(1-C)
106	REM0060	Loading Motor	V,(1-B)
106-1	REE0669	Lead Wire	V,(2-A) (1-B)
107	RMB0465	Spring	V,(2-A) (2-B)
108	RMB0466	Spring	V,(2-A)
109	RMC0292	Main Slider Spring	V,(1-C)
110	RMG0408-K	Insulator	V,(2-A) (2-B)
111	RMK0309-2	Mechanism Frame	V,(2-B)
112	RML0432	Lock Arm	V,(2-B)
113	RML0433-1	Drive Arm	V,(2-C)
114	RMR0952-W	Main Slider	V,(1-C)
115	RMR0953-W	Lift Slider	V,(2-C)
116	RMR0954-W	Lock Slider	V,(2-B)
117	XYN2+C5	Screw, 2mm * 5mm	V,(1-B)
118	RHW31005	Washer	V,(1-A)
119	RMG0382-H	Rubber Roller	V,(1-A)
120	RML0434	Roller Arm	V,(1-A)
121	RMR0769-W	Roller Bering	V,(1-A)
122	RXJ0017	Roller Shaft	V,(1-B)
123	REE0668	Flexible PCB	V,(4-B)
124	RHW27004	Washer	V,(3-C)
125	RMB0461	Spring	V,(4-C)
126	RMB0468	Spring	V,(4-C)
127	RMB0489	Spring	V,(4-C) (3-C)
128	RML0428	Switch Lever	V,(3-C)
129	RML0430	Trigger Lever L	V,(3-C)
130	RML0431	Trigger Lever R	V,(3-C)
131	RML0435	Lock Lever	V,(4-C)
132	RMM0155	Slider A	V,(3-C)
133	RMM0156	Slider B	V,(3-C)
134	RMQ0597	Screw	V,(2-C)
135	RMR0951-W	Disc Guide	V,(2-C)
136	RXK0201	Upper Chassis	V,(4-C)
137	RXL0134	CD Detect Lever L	V,(3-B)
138	RXL0135	CD Detect Lever R	V,(3-C)
139	RXL0136	Control Arm	V,(3-C)
140	RMB0462	Spring	V,(3-B)
141	RMC0295	Drive Shaft Retainer	V,(3-B)
142	RMC0293	Clamper Retainer	V,(4-B)
143	RML0429	Clamp Arm	V,(4-B)
144	RMQ0467	Screw	V,(4-B)
145	RMR0956-W	Clamper	V,(4-B)
146	RMB0345-2	Spring	V,(4-A)
147	RMB0445	Spring	V,(1-B)
148	RMB0467	Spring	V,(2-B)
149	RXK0199	Traverse Chassis	V,(4-A)
150	RFKPAJ2751K	Spindle Motor	V,(3-A)
151	RAF0140A	Optical Pickup	V,(3-B)
152	RMC0294	Optical Pickup Retainer	V,(3-A)
153	RXJ0018	Drive Shaft	V,(3-A)
154	RXQ0474	Board Nut	V,(3-B)
155	XQN17+BG45	Screw	V,(3-B)
156	REM0061	Traverse Motor	V,(3-B)
157	XTW2+6S	Screw, 2mm * 6mm	V,(3-B)
158	XQN2+CJ8	Screw, 2mm * 8mm	V,(4-C)
159	XTW2+6S	Screw, 2mm * 6mm	V,(2-A)
160	RMB0463	Spring	V,(2-A)
161	RMB0464	Spring	V,(1-B)
162	RXQ0476	Holder	V,(3-B)
162-1	RMA0921	Terminal Board	V,(3-B)
163	RDP0084	Pulley	V,(3-B)
164	RDV0030	Belt	V,(2-B)
165	RMQ0461	Screw	V,(4-A)

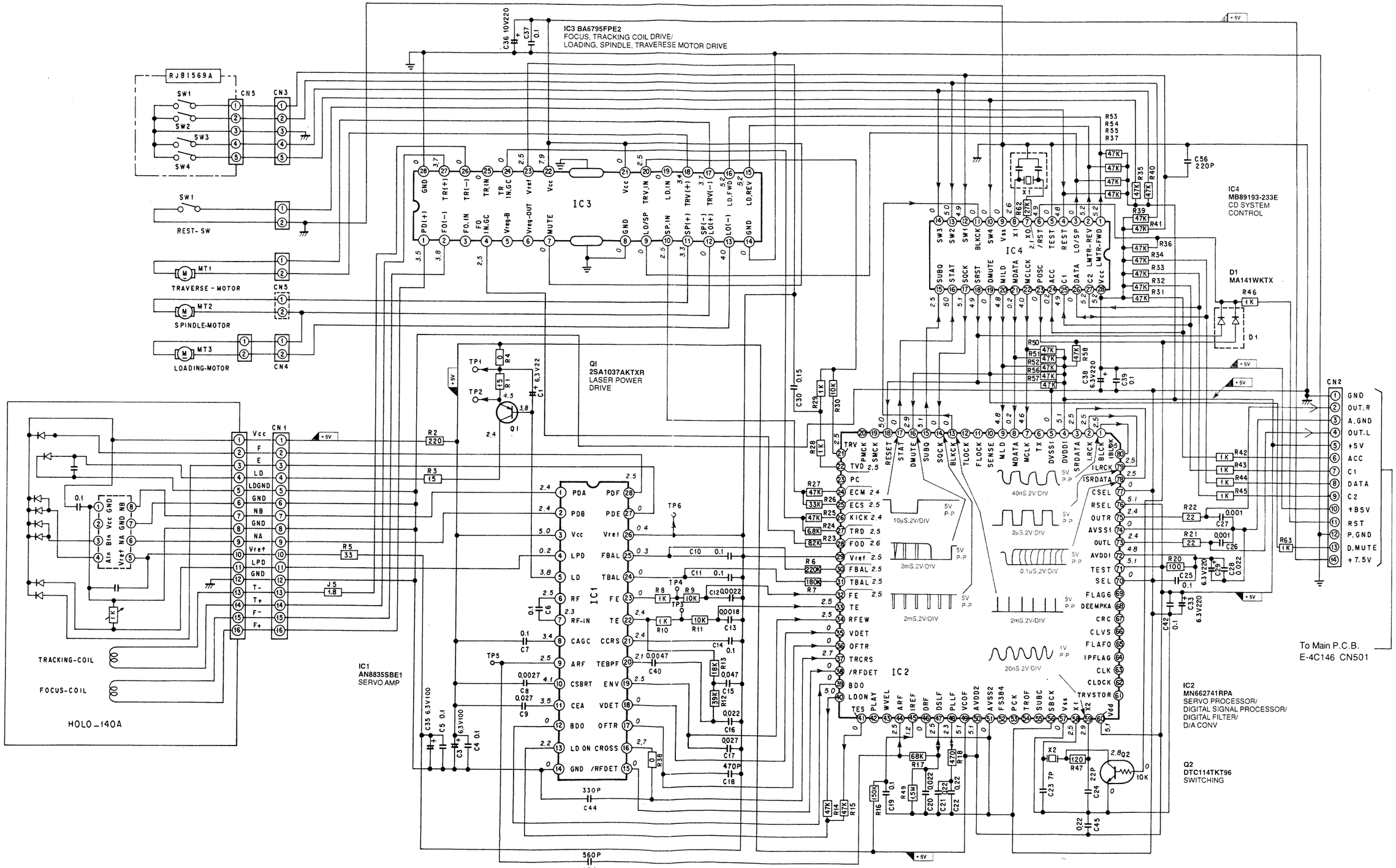
3.Exploded View for the List E



4.Wiring Diagram(CD Servo Block) for the List E



5.Schematic Diagram(CD Servo Block) for the List E



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Parts Change Notice

CQ-DP620AEUC/700LEE/800LEE/830EUC/835EW/850EUC/875EUC/875EW/930EUC/940EUC
CQ-DPG500EUC/550EUC/570EUC/590EUC, CQ-DPX30EUC/40EUC/50EUC/60EUC
Model No. CQ-RDP400LEN/500LEN/650LEN/710EN/720LEN, CX-DP801EUC/801EN/803EN

Please revise the original parts list in the Service Manual to conform to the change(s) shown herein. If new part numbers are shown, be sure to use them when ordering parts.

Reason for Change	*The circled item indicates the reason. If no marking, see the Notes in the bottom column.
1. Improve performance	The following parts are changed to supply parts of Video System Division from April 1, 1998. Parts specifications are not changed, but the same as current.
✓ 2. Change of material or dimension	
✓ 3. To meet approved specification	
4. Standardization	
5. Addition	
6. Deletion	
7. Correction	
⑧ Other	

Interchangeability Code	**The circled item indicates the interchangeability. If no marking, see the Notes in the bottom column.	
	Parts / Set Production	
A	Original → Early New → Late	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original → Early New → Late	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
C	Original → Early New → Late	New parts only may be used in early or late production sets. Stock new parts.
D	Original → Early New → Late	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
Ⓔ Other		

Part Number

Original Parts No.	New Part No.	Notes	Part Name	Remarks
MB89123-306	←	8-E	IC	V
RDP0086-1	←	8-E	Pulley	V
RDV0045	←	8-E	Belt	V
REM0059	←	8-E	Motor Ass'y	V
RJS2A0614T	←	8-E	Connector, 14P	V
RJS2A1405T	←	8-E	Connector, 5P	V
RMA0934	←	8-E	Terminal	V
RMC0265	←	8-E	Spring	V
RMC0294	←	8-E	Spring Plate	V
RMC0295	←	8-E	Spring	V
RMC0300-1	←	8-E	Spring Plate	V
RMQ0467	←	8-E	Screw	V
RMQ0558	←	8-E	Screw	V
RMR0769-W	←	8-E	Roller Bering	V
RMR0849-W	←	8-E	Nut Plate	V
RSP1A018-A	←	8-E	Switch	V
RXA0154	←	8-E	Motor Angle Ass'y	V
RXJ0016	←	8-E	Worm Gear	V
RXK0193	←	8-E	Chassis Ass'y	V
KQN17+BG45	←	8-E	Screw	V

Note : "V" marks in remarks column are indicated supply parts of Video System Vivision (VSD) in Matsushita Electric Industrial Co., Ltd. (MEI)

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Parts Change Notice

Model No. CAR CD PLAYER, CAR CD CHANGER 1053 # 030052

Please revise the original parts list in the Service Manual to conform to the change(s) shown herein. If new part numbers are shown, be sure to use them when ordering parts.

Reason for Change	*The circled item indicates the reason. If no marking, see the Notes in the bottom column.
1. Improve performance	Information of interchangeability for the optical pickup.
2. Change of material or dimension	
3. To meet approved specification	
4. Standardization	
5. Addition	
6. Deletion	
7. Correction	
⑧ Other	

Interchangeability Code		**The circled item indicates the interchangeability. If no marking, see the Notes in the bottom column.
Parts	Set Production	
Ⓐ Original → Early, New → Late		Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B Original → Early, New → Late		Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
C Original → Early, New → Late		New parts only may be used in early or late production sets. Stock new parts.
D Original → Early, New → Late		Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E Other		

Part Number

Major Model No.	Product Name	Ref. No.	Parts Number			Parts Name
			Original	First Change	Current	
CQ-DP730EUC CQ-RDP735LEN	CD Player	43	YESSZ2533B	YESSZ3179	YESSZ3397	Optical Pickup
CX-DP601EUC CX-DP601EN	CD Changer	103				
CQ-DFX444LEN	CD Player	14	YEP0FX3100	———	YESSZ3260S	Optical Pickup
CX-DP9060EN CX-DP9061EN CX-DP610EUC	CD Changer	74				
CQ-RDP930LEN	CD Player	151	RAF0140A	———	RAF0140A-1	Optical Pickup
CQ-DP875EUC		157				
CX-DP801EUC CX-DP801EN	CD Changer	144				

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